Section 5-9 Presumpscot River & Tributaries (Presumpscot River Watch)

Refer to Chapter 4 of this document for where to find information about sampling methods, sampling sites, and quality assurance.

Overview

Presumpscot River Watch (PRW), incorporated as a not-for-profit organization in 1989, works to preserve and improve the health of the Presumpscot River and its tributaries. PRW's commitment is primarily accomplished through a seasonal (summer) volunteer water quality monitoring program that enhances public awareness of river water quality in the Presumpscot River watershed. The data generated from the monitoring program also serve other purposes: (1) verification of State water quality standards; (2) identification of specific problem areas; (3) establishment of baseline water quality monitoring data; and (4) use of water quality monitoring results by other organizations.

The Presumpscot River originates at Sebago Lake Basin and flows approximately 25 miles (40 km) to the Atlantic Ocean (Casco Bay) through Cumberland County, Maine. The Presumpscot River contributes the largest freshwater input into Casco Bay, draining approximately 648 square miles. The Presumpscot watershed below Sebago Lake is slightly more than 200 square miles. Nine dams, seven of which are used to generate hydroelectric power, create impoundment and associated tailwater habitats. The uppermost dam is located at the Sebago Lake outlet, whereas the lowermost dam is located at the SAPPI Mill in Westbrook. Major tributaries to the Presumpscot River include the Pleasant River, Little River, and the Piscatagua River; minor tributaries include Nason Brook, Colley Wright Brook, Inkhorn Brook, and Mill Brook. Highland Lake and Forest Lake are the primary lakes in the Presumpscot River watershed; Mill Brook and the Piscataqua River, respectively, connect them to the main stem of the Presumpscot River. Windham, Gorham, Westbrook, Cumberland, Falmouth, and Portland represent primary municipalities in the Presumpscot River watershed, and are characterized by multiple land uses. Urban areas include residential and commercial dwellings, commercial businesses, light industry, and water and wastewater treatment plants. Westbrook and Portland contribute combined sewer overflow (CSO) discharge to the Presumpscot River below Saccarappa Falls. The SAPPI paper mill is located in Westbrook. Agricultural practices such as row crop and pasture constitute the agricultural land use component, whereas mixed deciduous and coniferous forest comprise the forest component.

According to Maine's statutory Water Classification System, the Presumpscot River Basin has designations listed below. ¹

- A. Presumpscot River, main stem.
 - (1) From the outlet of Sebago Lake to the confluence with the Pleasant River Class A. (Note: Dundee Pond is a great pond, classified GPA)

¹ http://www.mainelegislature.org/legis/statutes/38/title38sec467.html

- (2) From the confluence with the Pleasant River to Saccarappa Falls Class B.
- (3) From the Saccarappa Falls to tidewater Class C.
- (4) Below head-of-tide Class SC.
- B. Presumpscot River tributaries below Sebago Lake Class B.

Urban development, the paper mill, dams, and agricultural land within the watershed are all potential threats to the water quality of the Presumpscot. In order to preserve the river's ecological integrity, recreational uses, and scenic beauty; water quality information must be collected and used to document any changes in water quality or to pinpoint sources of pollution. Budget and time constraints forced a decline in routine river water quality monitoring by the Maine DEP, which prompted a cooperative effort among local citizens to create Presumpscot River Watch in 1989. The mission of PRW is to preserve and improve the health of the Presumpscot River watershed by scientific monitoring of water quality and sharing data to increase awareness of the condition of the river.

Methods

The volunteers monitored the Presumpscot and its tributaries in 2011 at 25 sampling sites, 22 of which are VMRP approved sites (Table 5-9-1 and Figures 5-9-1 through 5-9-6). All stations are above head-of-tide at Presumpscot Falls.

Monitoring was conducted between 5:08 and 8:30 AM, every two weeks from May 21st through August 27th. At most of the sites, the monitors collected grab samples for analysis of dissolved oxygen using LaMotte dissolved oxygen kits. The samples were fixed in the field and brought back to the lab for titration. At a few sites on the main stem, monitors made direct measurements of water temperature and dissolved oxygen using a multi-meter (YSI 550A or YSI 85) including profile data (sampled at 1 meter intervals). Grab samples were collected for *E. coli* bacteria and transported to the PRW office for analysis using IDEXX Quanti-Tray 2000 method. Air temperature, weather conditions, GPS coordinates, and water appearance were recorded.

Table 5-9-1. Presumpscot River Watch sampling sites, ordered from upstream down for the main stem and the same for the tributaries at their confluence with the Presumpscot River

(*indicates non-approves sites)

(*indicates non-approves sites). Site ID	Organization Site Code	Sample Location	Class
Presumpscot River-R202-VRMP	P170	North Gorham Dam	A
Presumpscot River-R195-VRMP	P160	Dundee Pond Headwater	A
Presumpscot River-R166-PRW *	P150	Covered Bridge	A
Presumpscot River-R157-PRW *	P135	Park in Gambo	В
Presumpscot River-R133-VRMP	P110	Presumpscot River	В
Presumpscot River-R47-VRMP	P030	Presumpscot River	С
Presumpscot River-R24-VRMP	P020	Blackstrap Road	С
Otter Brook-ROT06-VRMP	OB010	Otter Brook	В
Nason Brook-RNS11-VRMP	N010	Nason Brook	В
Baker Brook-RPLBK17-VRMP	BB010	Baker Brook	В
Ditch Brook-RPL00-VRMP	DB010	Ditch Brook	В
Pleasant River -RPL47-VRMP	PL040	Route 302	В
Pleasant River-RPL06-VRMP	PL010	Lovett Bridge	В
Black Brook-RBK05-VRMP	BL010	Black Brook	В
Colley Wright Brook-RCW28-VRMP	CW020	Colley Wright Brook	В
Colley Wright Brook-RCW10-VRMP	CW010	Colley Wright Brook	В
Douglas Brook-RLTNBDG20-VRMP	DG010	Douglas Brook	В
Little River-L050-VRMP	L050	Little River	В
Little River-RLT15-VRMP	L020	Route 202/4	В
Little River-RLT08-PRW *	L010	Route 237	В
Inkhorn Brook-RIK05-VRMP	IN010	Inkhorn Brook	В
Mill Brook-RML63-VRMP	M030	Below Highland Lake	В
Mill Brook-RML01-VRMP	M010	Bridge Street	В
E. Branch Piscataqua River-RPSEB05-VRMP	PI010	Falmouth Road	В
W. Branch Piscataqua River-RPS12-VRMP	PI020	Leighton Road	В

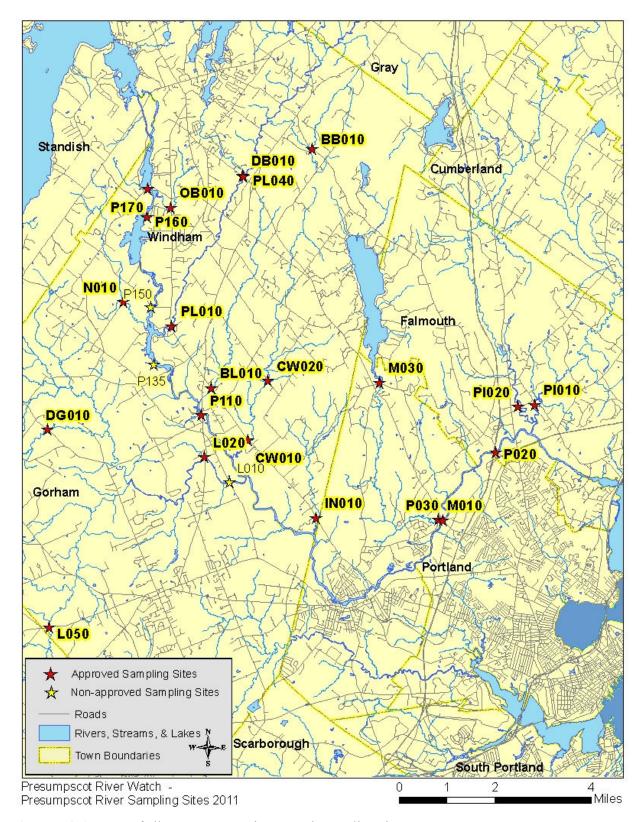


Figure 5-9-1: Map of all Presumpscot River Watch sampling sites.

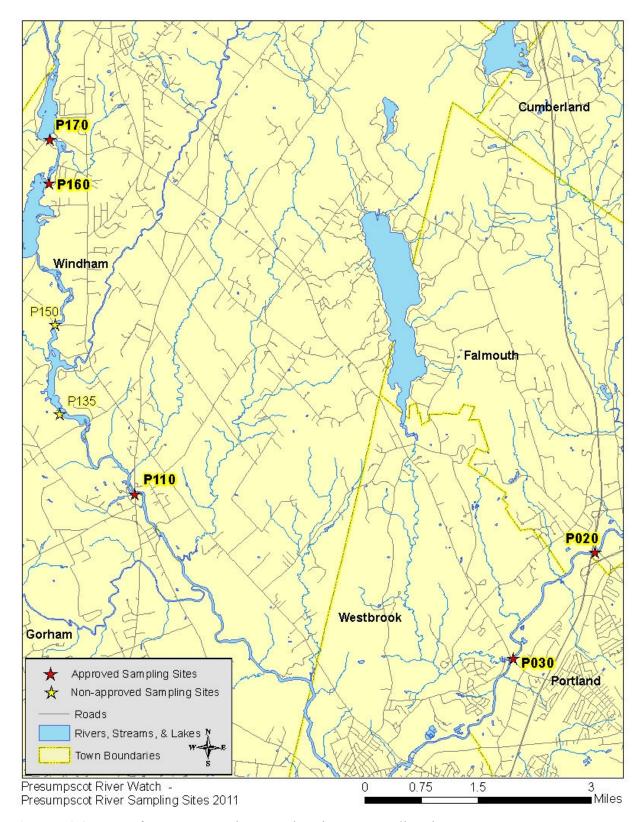


Figure 5-9-2: Map of Presumpscot River Watch main stem sampling sites.

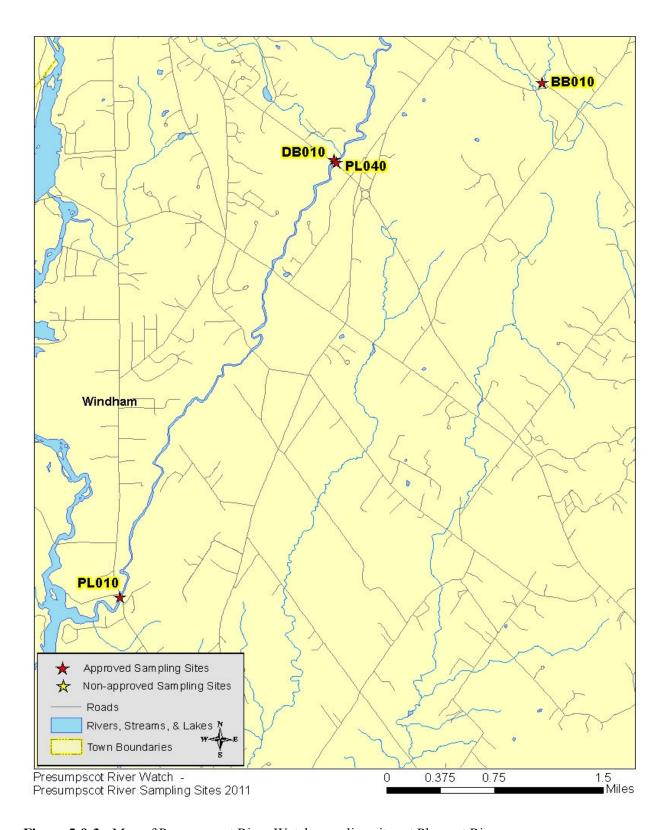


Figure 5-9-3: Map of Presumpscot River Watch sampling sites at Pleasant River.

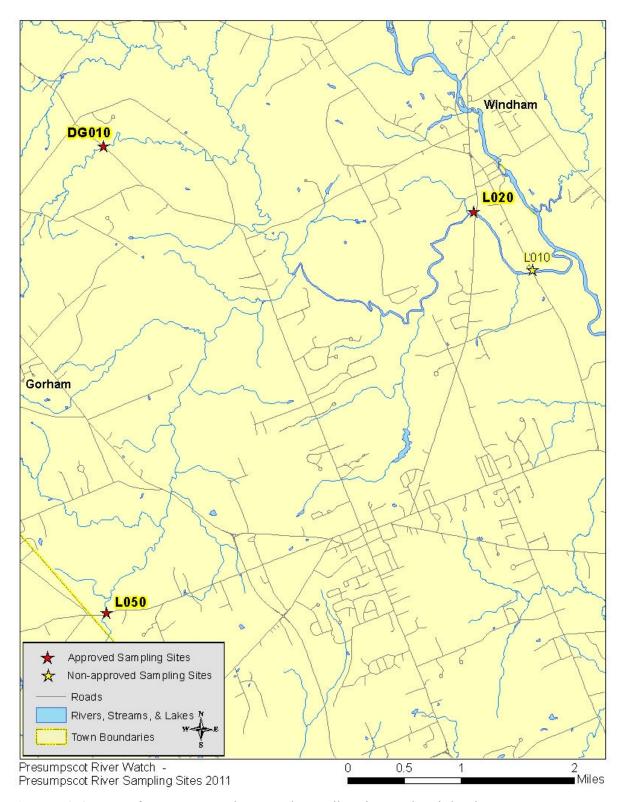


Figure 5-9-4: Map of Presumpscot River Watch sampling sites on the Little River.

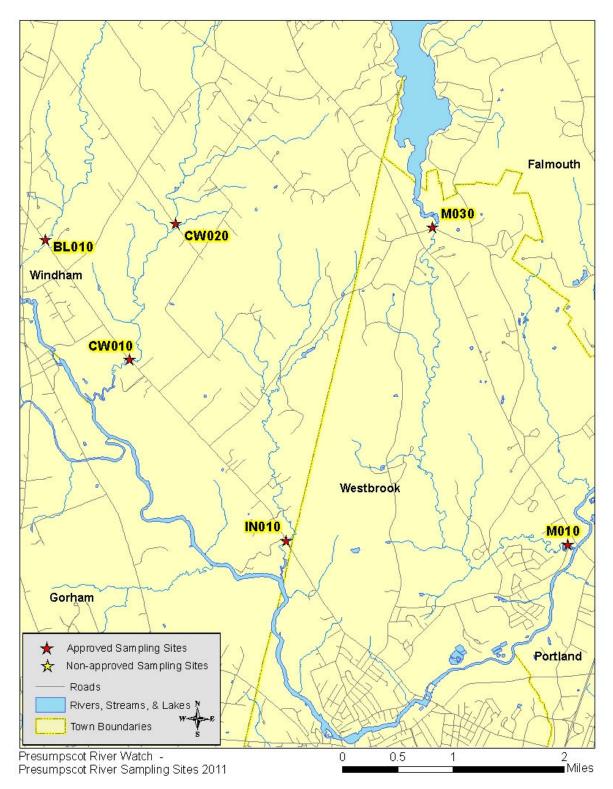


Figure 5-9-5: Map of Presumpscot River Watch sampling sites on other tributaries, group 1.

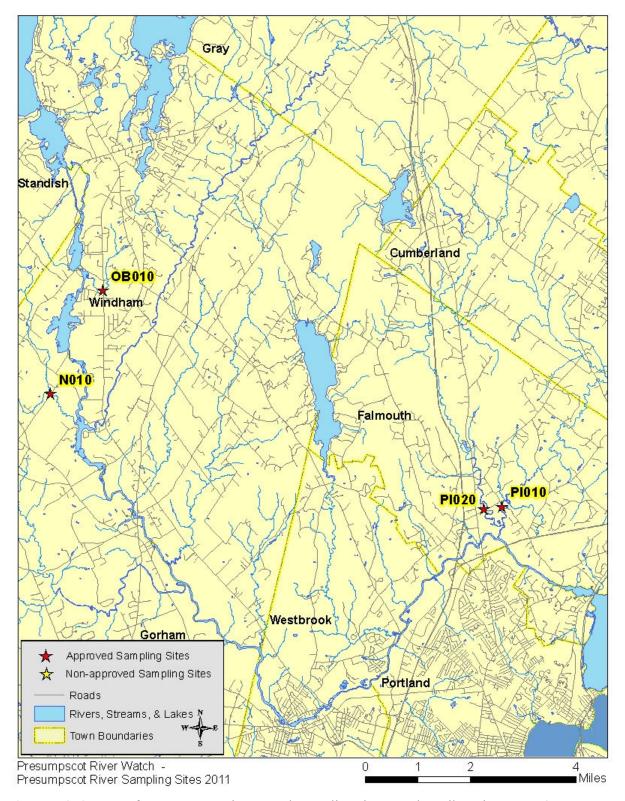


Figure 5-9-6: Map of Presumpscot River Watch sampling sites on other tributaries, group 2.

Results

For the purpose of discussion, the sampling stations were divided into Presumpscot River main stem (site code P170 - P020), and the tributaries collectively. Refer to Appendices A-1 and A-2 in discussion of individual site data and trends, as well as graphed data (Figures 5-9-8 through 5-9-31), at the end of this section of the report.

Dissolved Oxygen

Presumpscot Main stem:

Dissolved oxygen (DO) was measured 7-8 times throughout the season at each of the seven main stem sampling sites (Table 5-9-2 and 5-9-3). All DO measurements were taken before 8:00 AM, the recommended period to measure diurnal low concentrations. Dissolved oxygen percent saturation was measured at six of the seven main stem sites. At P030 and P020 (dam impoundments), measurements were made at 1-meter increments in order to determine if the impoundment developed thermal stratification or if the water was fully mixed. At both sites, the water was fully mixed and parameters were averaged for the day (see Appendix A-1). Class A and B criteria for DO are a minimum of 7 mg/l or 75% saturation. Class C criteria for dissolved oxygen are a minimum of 5 mg/l or 60 % saturation. To meet water quality criteria, both concentration and saturation standards must be met.

Dissolved oxygen concentrations in the main stem of the river ranged from 5.4 to 11.8 mg/l and from 70.6 to 111.3 percent saturation. All three class A sampling sites (P170, P160, and P150) met both criteria. Both class B sampling sites (P135, P110) had minimum DO concentrations of 5.4 and 5.8, respectively, well below the Class B criterion of 7.0 mg/l, as were most of the readings throughout the summer. Site P135 is a non-approved site because the measurements are taken near the shore which could skew the readings, but P110 is approved and readings are taken from mid-channel from a bridge; three of the four readings for July/August did not meet Class B criterion. Dissolved oxygen levels never dropped below the Class C instantaneous criteria of 5.0 mg/L or 60 % saturation in the lower Presumpscot River (P030 and P020).

Presumpscot Tributaries:

Dissolved oxygen (DO) concentration was measured 1-8 times at each of the eighteen sampling sites on the five major Presumpscot tributaries and their feeder streams (Table 5-9-2 and Table 5-9-3). Dissolved oxygen percent saturation was only available for half of the tributary sites. At most of these sites, DO was measured with a dissolved oxygen kit instead of a meter. Percent saturation can be determined if there is temperature data along with the dissolved oxygen concentration, however, temperature was not recorded at most of the sites using kits. Ninety-four percent (118 out of 126) of the DO measurements were taken before 8:00 AM, the recommended period to measure diurnal low concentrations. Class B criteria for dissolved oxygen are a minimum of 7.0 mg/l or 75% saturation. To meet water quality criteria, both concentration and saturation standards must be met.

Seventeen of the eighteen sample sites had DO measurments below the Class B instantaneous criteria of 7.0 mg/L or 75 % saturation. At Mill Brook, M010 is the only site that was above the criteria. Of the 120 readings recorded throughout the season, 78 (or 65%) did not meet criteria.

Table 5-9-2: A summary of minimum, maximum, and average dissolved oxygen concentration

values (mg/l) at Presumpscot River Watch monitoring sites.

Site	Approved Site	# of Samples	Minimum Value	Maximum Value	Average Value
P170	Y	7	7.4	11.6	9.3
P160	Y	7	7.2	11.5	9.1
P150	N	7	7.0	11.4	8.8
P135	N	6	5.4	8.2	6.5
P110	Y	8	5.8	11.8	8.4
P030*	Y	30	7.1	10.6	8.4
P020*	Y	31	6.9	10.5	8.3
OB010	Y	7	1.7	4.6	2.8
N010	Y	6	4.4	8.8	6.6
BB010	Y	7	3.2	7.4	5.7
DB010	Y	6	3.9	9.7	6.6
PL040	Y	6	4.2	8.7	6.0
PL010	Y	8	6.8	9.0	8.0
BL010	Y	8	3.6	8.2	6.6
CW020	Y	3	5.2	6.1	5.8
CW010	Y	8	4.4	9.0	6.1
DG010	Y	7	5.0	6.7	5.8
L050	Y	8	6.6	9.7	7.9
L020	Y	7	4.8	8.5	6.8
L010	N	7	5.4	8.5	6.4
IN010	Y	8	3.2	7.8	4.6
M030	Y	3	6.4	6.8	6.7
M010	Y	6	7.7	9.5	8.5
PI010	Y	7	4.8	8.5	6.4
PI020	Y	7	6.8	9.4	7.7

^{*} Depth profile measurements made during seven site visits. Average Value was determined by first averaging the profiles before averaging of each sampling day.

Table 5-9-3: A summary of minimum, maximum, and average dissolved oxygen saturation values (%) at Presumpscot River Watch monitoring sites.

Site	Approved Site	# of Samples	Minimum Value	Maximum Value	Average Value
P170	Y	7	88.9	111.3	99.2
P160	Y	7	86.4	109.6	97.3
P150	N	7	83.7	104.6	93.9
P135	N				
P110	Y	8	70.6	106.0	91.6
P030	Y	30	85.1	103.6	91.9
P020	Y	31	81.0	96.2	89.3
OB010	Y	1	42.8	42.8	42.8
N010	Y	1	80.4	80.4	80.4
BB010	Y	7	33.8	65.6	55.6
DB010	Y	1	90.2	90.2	90.2
PL040	Y	1	80.7	80.7	80.7
PL010	Y	8	76.0	95.5	85.1
BL010	Y	8	37.3	70.9	62.1
CW020	Y				
CW010	Y				
DG010	Y				
L050	Y	8	70.2	92.6	81.1
L020	Y				
L010	N				
IN010	Y				
M030	Y				
M010	Y	6	81.7	94.5	87.3
PI010	Y				
PI020	Y				

Water Temperature

All Sample Sites:

Temperature was measured 1-8 times at all seven of the main stem sampling sites and 1-8 times at only half of the tributaries (Table 5-9-4). All temperature readings were taken before 8:30 AM. Water temperatures varied over time at all sites, increasing as the spring shifted into summer. Main stem water temperatures are generally higher than tributaries. The average water temperature for the main stem sample sites for the entire sampling season was 19.6°C/23.2°C for July/August; for the season in the tributaries it was 15.6°C/17.5°C for July/August. The difference between the main stem and the tributaries is due to resident time within dam impoundments and lack of tree cover across the width of the channel.

Table 5-9-4: A summary of minimum, maximum, and average water temperature values (°C) at

Presumpscot River Watch monitoring sites.					
Site	Approved Site	# of	Minimum	Maximum	Average
		Samples	Value	Value	Value
P170	Y	7	8.9	24.9	19.3
P160	Y	7	8.4	24.7	19.2
P150	N	7	9.3	24.7	19.3
P135	N	1	9.1	9.1	9.1
P110	Y	8	10.2	25.2	20.1
P030	Y	30	11.3	24.7	20.0
P020	Y	31	11.4	24.6	19.7
OB010	Y	1	12.1	12.1	12.1
N010	Y	1	11.3	11.3	11.3
BB010	Y	7	10.0	18.0	14.3
DB010	Y	1	12.1	12.1	12.1
PL040	Y	1	12.0	12.0	12.0
PL010	Y	8	8.0	22.5	18.4
BL010	Y	8	9.0	17.0	13.3
CW020	Y				
CW010	Y				
DG010	Y				
L050	Y	8	12.4	19.0	17.4
L020	Y				
L010	N				
IN010	Y				
M030	Y				
M010	Y	6	12.8	19.7	16.6
PI010	Y				
PI020	Y				

Bacteria

Presumpscot Main stem:

Escherichia coli bacteria were sampled 6-7 times at each of the seven main stem sampling sites (Table 5-9-5). E. coli bacteria are used as the indicator organism for freshwaters. While this type of bacteria is not a pathogen, its presence in the water may indicate the presence of other organisms including bacteria and viruses that can cause gastrointestinal illnesses. Typically, observed high bacterial levels are often associated with stormwater runoff and/or combined sewer overflows. Three of the sampling days occurred within two days of rainfall events in excess of 1.0 inches as measured at the Portland Jetport (Figure 5-9-7). Samples taken on 7/30/11 occurred the day after a 2.5-inch rainfall.

Class B criteria for bacteria are as follows: "Between May 15th and September 30th, the number of Escherichia Coli of human and domestic origin shall not exceed a geometric mean of 64/100 ml (milliliters) or an instantaneous level of 236/100 ml." Class C criteria are: "Between May 15th and September 30th, the number of Escherichia Coli of human and domestic origin shall not exceed a geometric mean of 126/100 ml (milliliters) or an instantaneous level of 236/100 ml." Geometric means are calculated instead of averages because measures like bacteria often have a few very large values that strongly influence the mean and make it a poor predictor.

The main stem of the Presumpscot had violation of the bacteria standard for instantaneous readings at four of the seven sampling sites. Each of the four sites had multiple exceedances on various dates. The exceedances at site P135 and P110 occurred after higher than baseflow runoff events and may be contributed to stormwater runoff. Both P020 and P030 had at least three days of exceedances. Most of these may be contributed to urban stormwater runoff or a combined sewer overflow discharge, except for 7/2/11 when they had exceedances of 547/100 ml and 613/100 ml, respectively. No main stem sampling site exceeded the geometric mean criterion for either Class B or Class C bacteria standard.

Presumpscot Tributaries

E. coli bacteria were sampled 3-7 times at each of the eighteen tributary sampling sites (Table 5-9-5). *E. coli* bacteria are used as the indicator organism for freshwaters. While this type of bacteria is not a pathogen, its presence in the water may indicate the presence of other organisms including bacteria and viruses that can cause gastrointestinal illnesses. Three of the sampling days occurred within two days of rainfall events in excess of 1.0 inches as measured at the Portland Jetport (see Figure 5-9-7). Samples taken on 7/30/11 occurred the day after a 2.5-inch rainfall.

Class B criteria for bacteria are as follows: "Between May 15th and September 30th, the number of Escherichia Coli of human and domestic origin shall not exceed a geometric mean of 64/100 ml (milliliters) or an instantaneous level of 236/100 ml."

Sixteen out of eighteen of the tributary sampling sites violated Class B geometric mean criterion of 64/100 ml. All 18 sampling sites violated the instantaneous criterion of 236/100 ml. Out of

the total 105 samples taken, 79 violated the instantaneous criterion. Further monitoring and study is necessary to determine the cause.

 $\textbf{Table 5-9-5:} \ \ A \ summary \ of \ minimum, \ maximum, \ and \ geometric \ mean \ values \ (MPN/100 \ mL)$

for bacteria at Presumpscot River Watch monitoring sites.

Site	Approved Site	# of Samples	Minimum Value	Maximum Value	Geometric Mean
P170	Y	6	1	5	3
P160	Y	6	3	28	10
P150	N	6	3	7	5
P135	N	6	7	102	22
P110	Y	7	10	770	44
P030	Y	7	31	2419	152
P020	Y	7	29	2419	138
OB010	Y	6	11	2419	108
N010	Y	6	66	2419	352
BB010	Y	6	35	1986	108
DB010	Y	6	22	210	49
PL040	Y	6	119	2420	284
PL010	Y	7	24	435	85
BL010	Y	7	38	2419	184
CW020	Y	3	120	613	260
CW010	Y	7	24	1986	119
DG010	Y	6	41	2419	178
L050	Y	7	55	2419	188
L020	Y	5	40	365	146
L010	N	6	64	2419	272
IN010	Y	7	58	2419	177
M030	Y	3	19	138	45
M010	Y	5	91	2419	790
PI010	Y	6	86	2419	205
PI020	Y	5	55	155	78

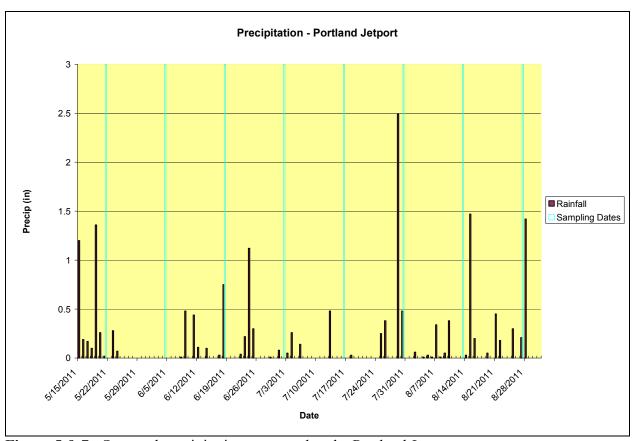


Figure 5-9-7: Seasonal precipitation measured at the Portland Jetport.

Discussion and Recommendations

There are numerous sources of pollution and other stresses to the Presumpscot River watershed that could potentially have an impact on water quality. Some of those sources of pollution and stress may include:

- Non-point source pollution (e.g., eroded soil, fertilizers, pesticides, heavy metals, petroleum residues, road salt, wildlife and pet feces) and polluted stormwater originating from impervious surfaces (e.g., streets, parking lots, driveways, rooftops), agriculture, and forestry
- Dams and impoundments (which often create more pond-like aquatic habitat conditions that may have higher water temperatures and lower dissolved oxygen concentrations than if the river section was free-flowing)
- Natural effects of wetlands (such as contributing waters to a stream/river that have low dissolved oxygen levels due to the decomposition of large amounts of organic matter, respiration of abundant plant matter, and low re-aeration rates that is characteristic of many wetlands)
- Point sources (e.g., failing private septic systems, wastewater treatment plants, combined sewer overflows [CSO], and industrial discharges) of pollution.

The following are recommendations for future monitoring:

- Continue early morning sampling to document daily low dissolved oxygen readings. This is particularly important during the summer months of July to early September when temperatures are warmest and dissolved oxygen tends to be at the lowest levels.
- Continue monitoring at all stations to develop a long term trend database.
- Have non-VRMP approved sampling sites approved.
- Consider an additional site directly upstream of Presumpscot Falls in order to document dissolved oxygen levels in the lowest freshwater reach of the river. This is where, longitudinally, the lowest DO reading for the lower Presumpscot are expected to be found.
- Further monitoring of *E. coli* bacteria in the tributaries in order to determine sources. Consider bracketing expected sources.
- Provide thermometers to all the monitors who are using dissolved oxygen kits. Temperature is one of the most important parameters to monitor.

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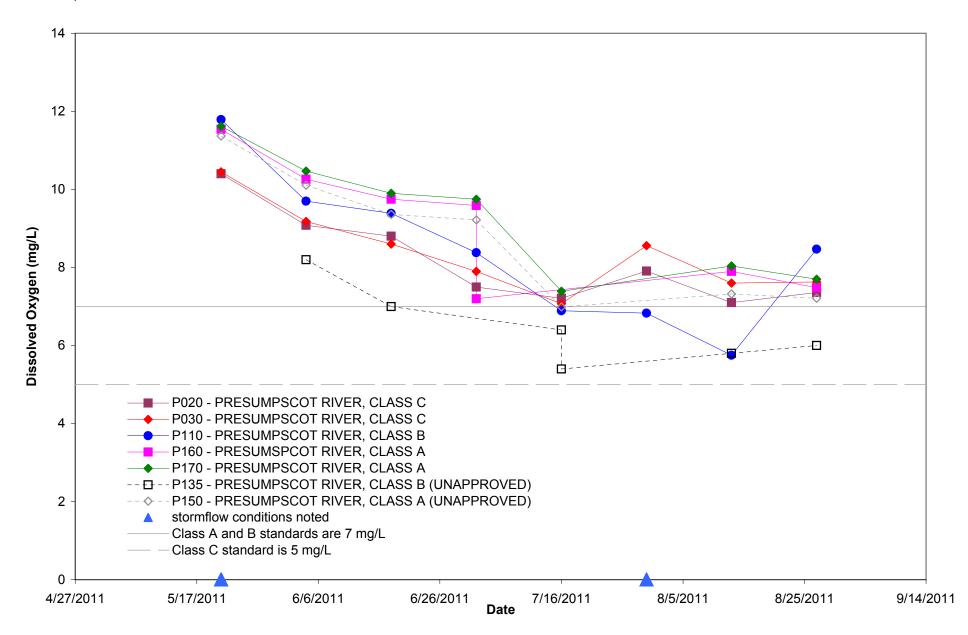


Figure 5-9-8. Dissolved oxygen concentrations at Presumpscot River Watch monitoring sites on the main stem of the Presumpscot River in 2011.

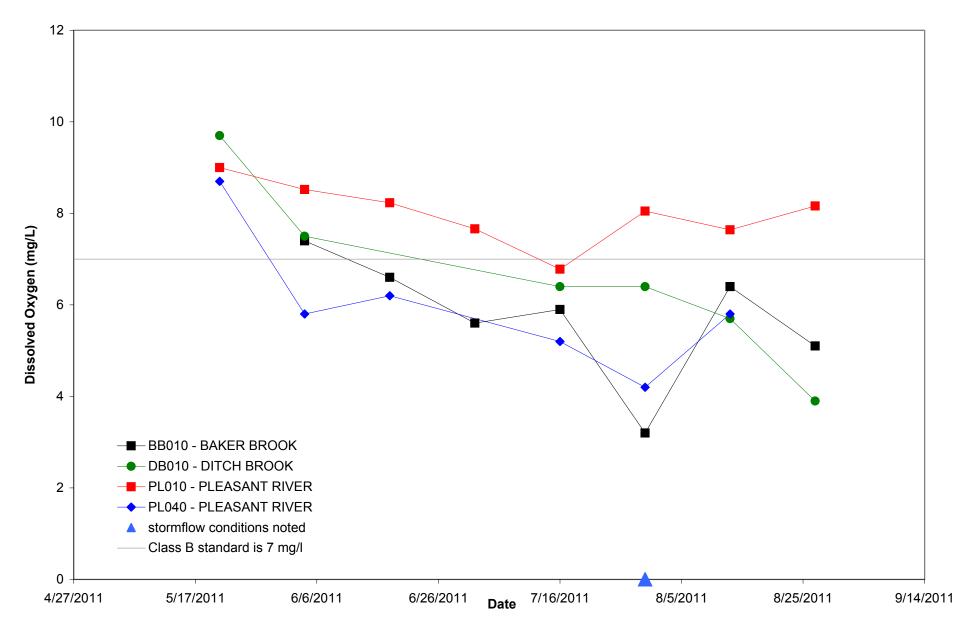


Figure 5-9-9. Dissolved oxygen concentrations at Presumpscot River Watch monitoring sites on the Pleasant River and tributaries of the Presumpscot River in 2011.

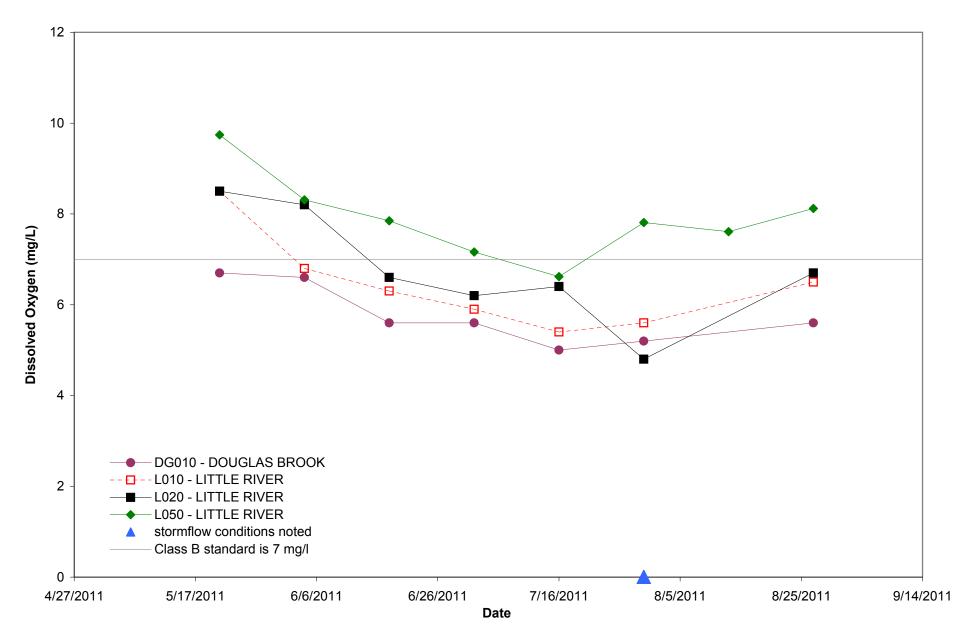


Figure 5-9-10. Dissolved oxygen concentrations at Presumpscot River Watch monitoring sites on the Little River and tributaries of the Presumpscot River in 2011.

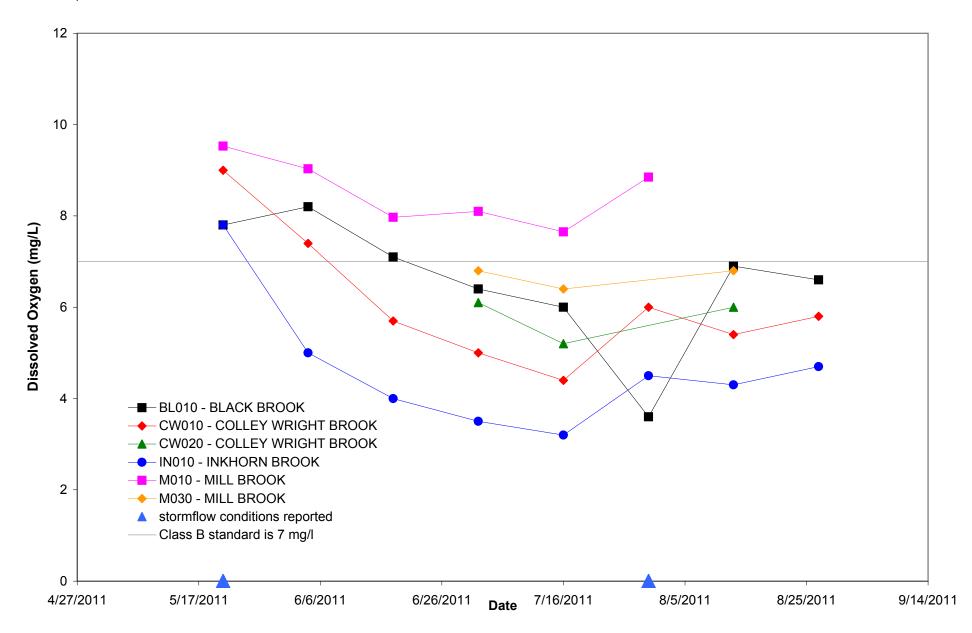


Figure 5-9-11. Dissolved oxygen concentrationsat Presumpscot River Watch monitoring sites on group 1 tributaries of the Presumpscot River in 2011.

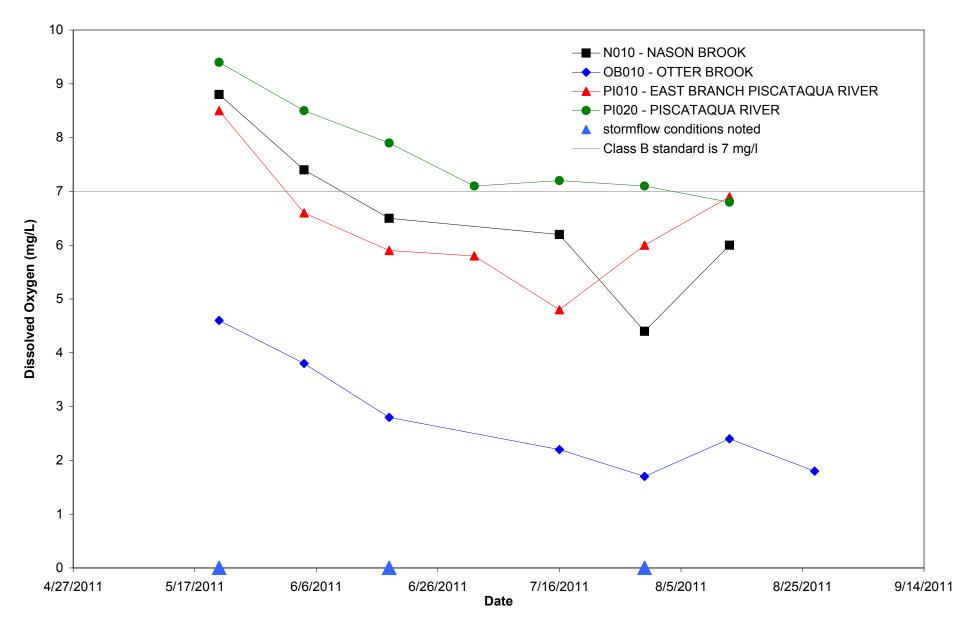


Figure 5-9-12. Dissolved oxygen concentrations at Presumpscot River Watch monitoring sites on group 2 tributaries of the Presumpscot River in 2011.

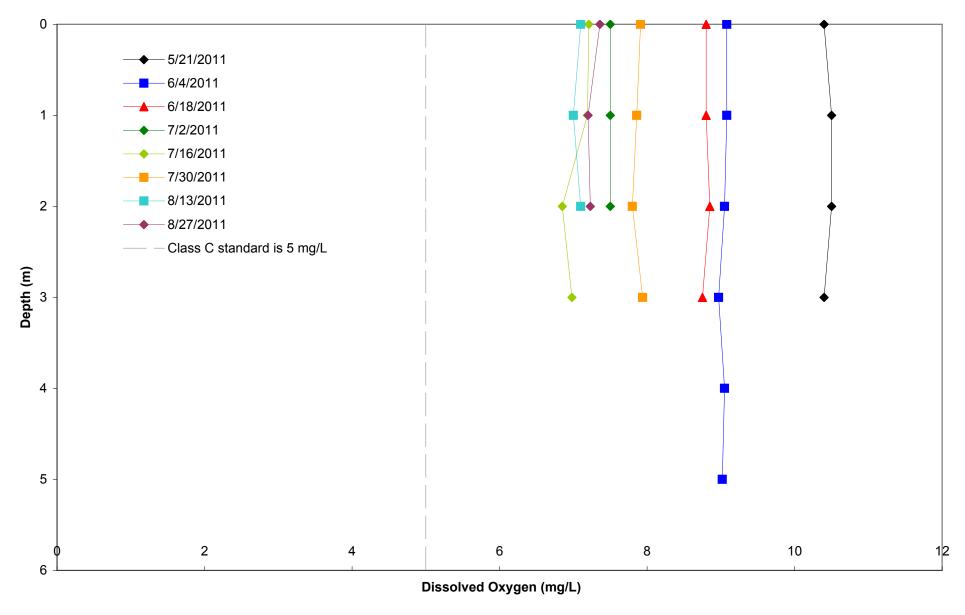


Figure 5-9-13. Profile values of dissolved oxygen concentrations at Presumpscot River Watch monitoring site P020 on the Presumpscot River in 2011.

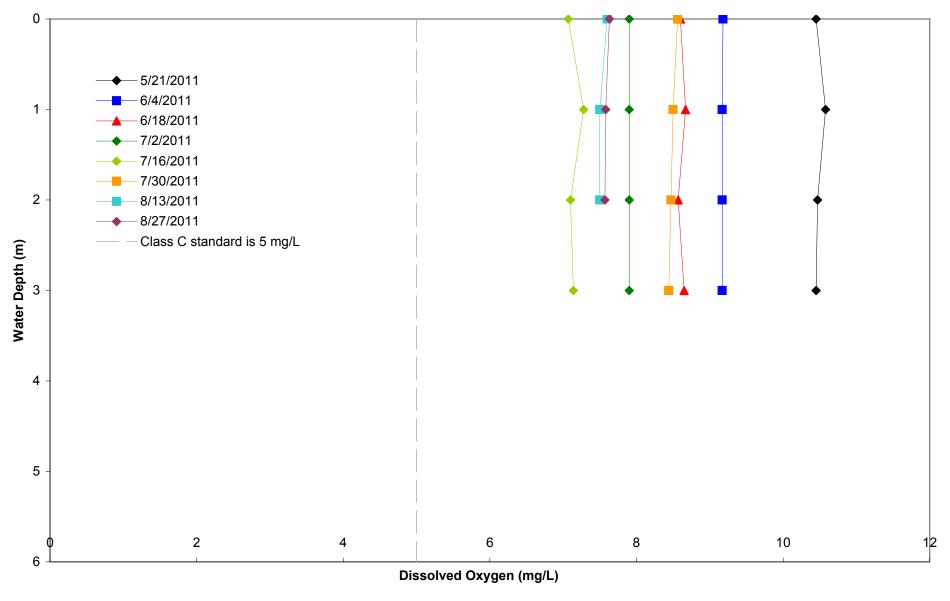


Figure 5-9-14. Profile values of dissolved oxygen concentrations at Presumpscot River Watch monitoring site P030 on the Presumpscot River in 2011.

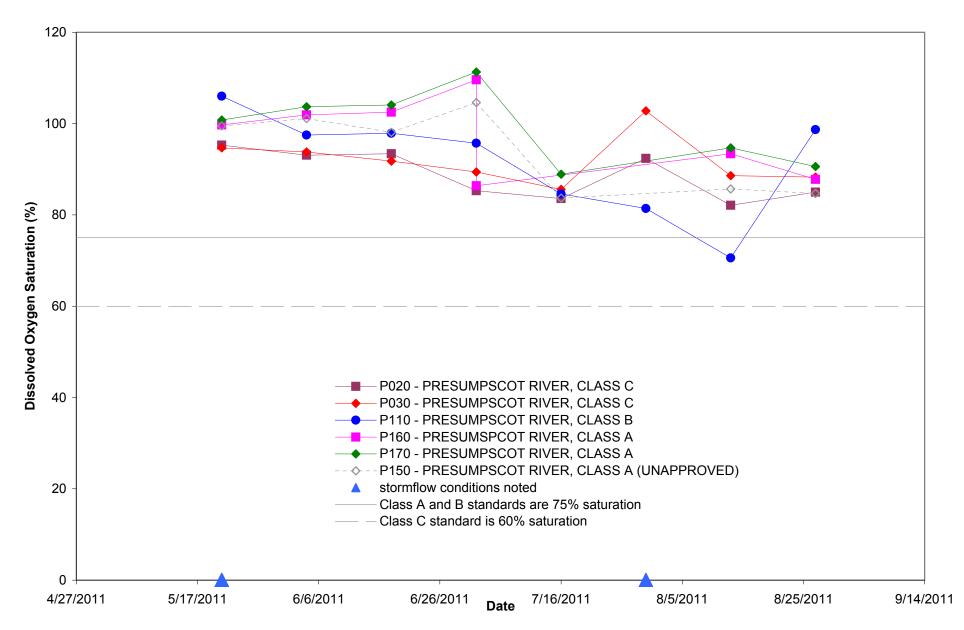


Figure 5-9-15. Dissolved oxygen saturation at Presumpscot River Watch monitoring sites on main stem of the Presumpscot River in 2011.

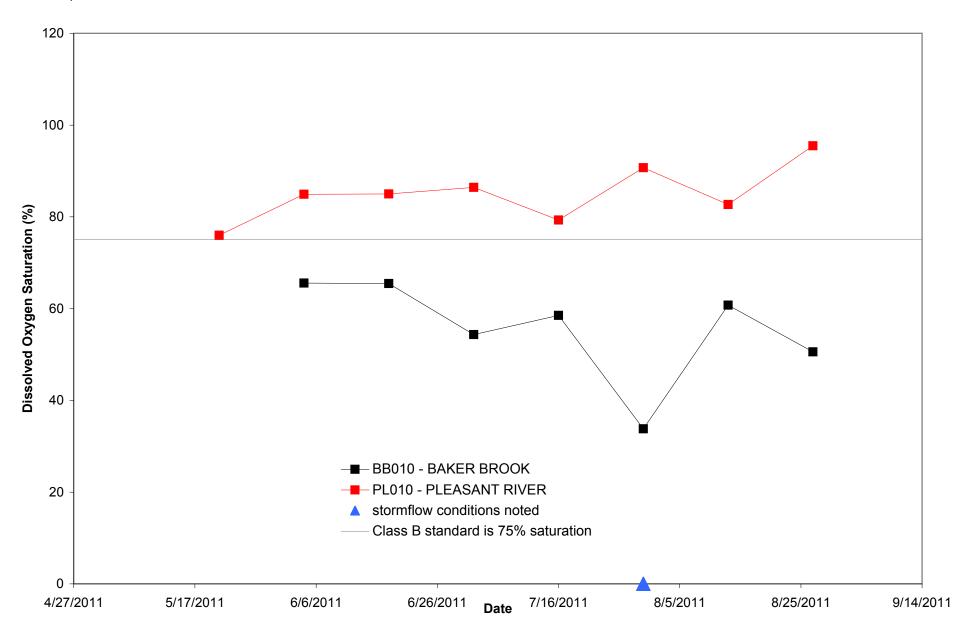


Figure 5-9-16. Dissolved oxygen saturation at Presumpscot River Watch monitoring sites on Pleasant River and Baker Brook in 2011.

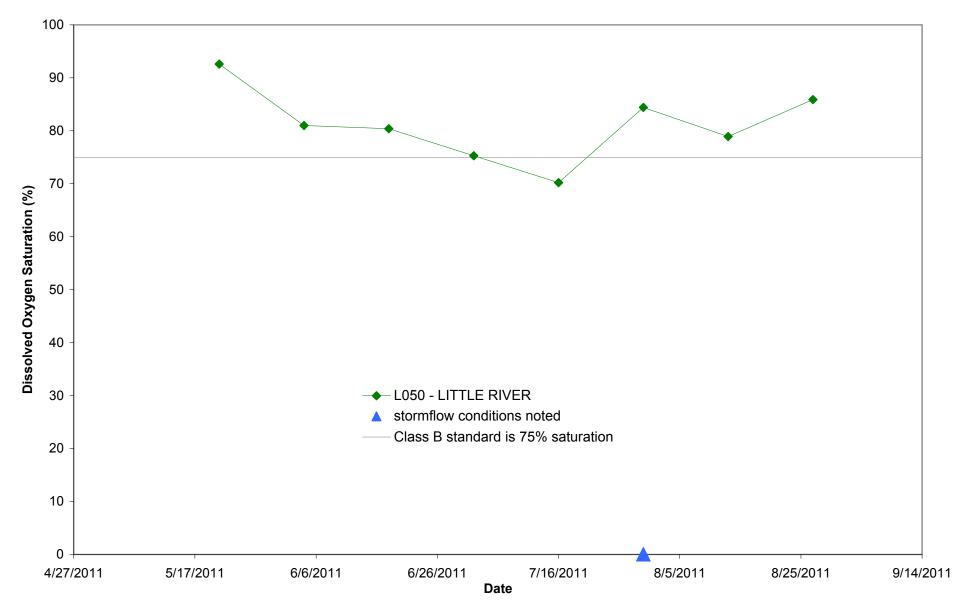


Figure 5-9-17. Dissolved oxygen saturation at Presumpscot River Watch monitoring sites on Little River in 2011.

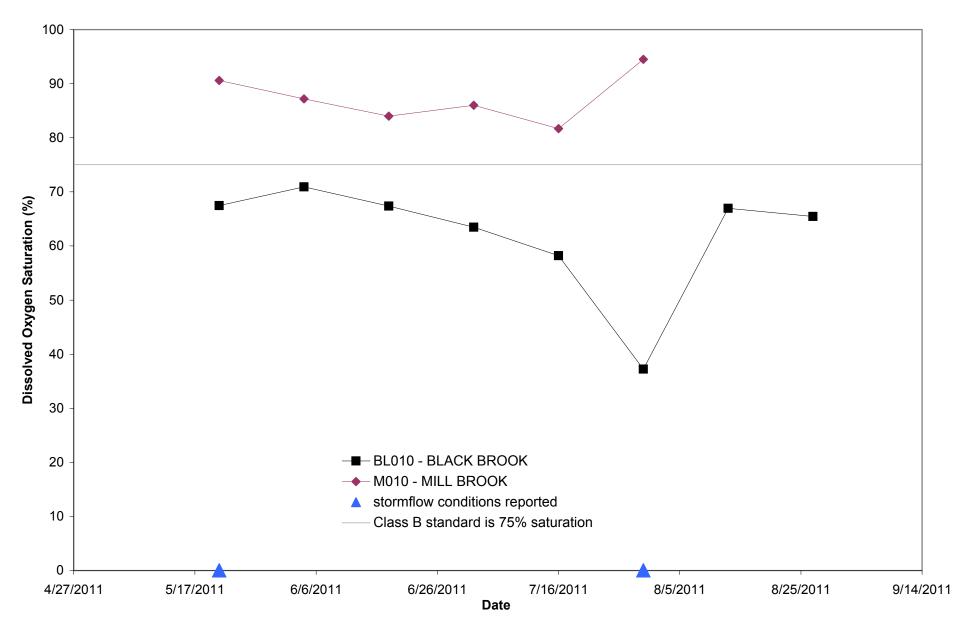


Figure 5-9-18. Dissolved oxygen saturation at Presumpscot River Watch monitoring sites on group 1 tributaries of the Presumpscot River in 2011.

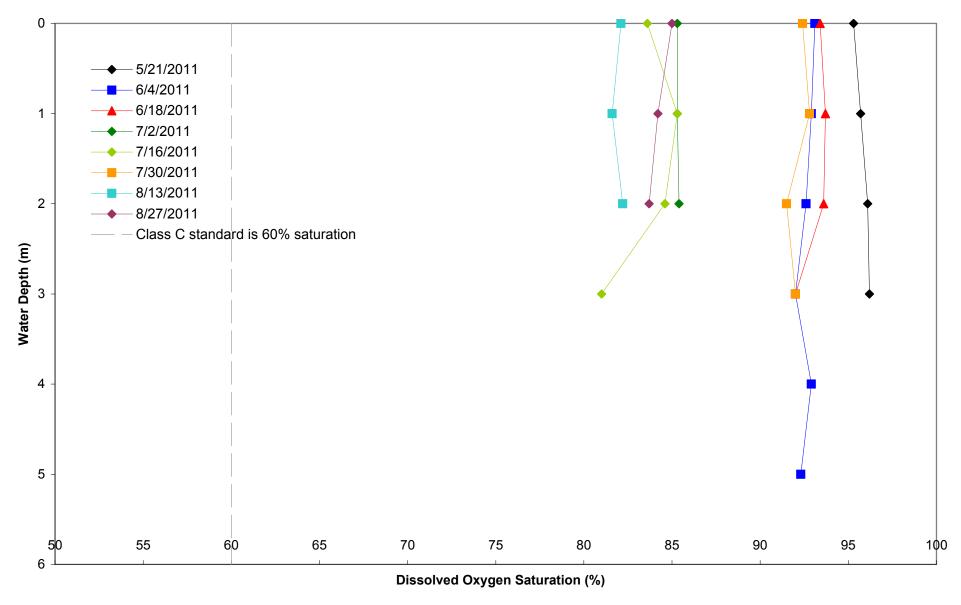


Figure 5-9-19. Profile values of dissolved oxygen saturation at Presumpscot River Watch monitoring site P020 on the Presumpscot River in 2011.

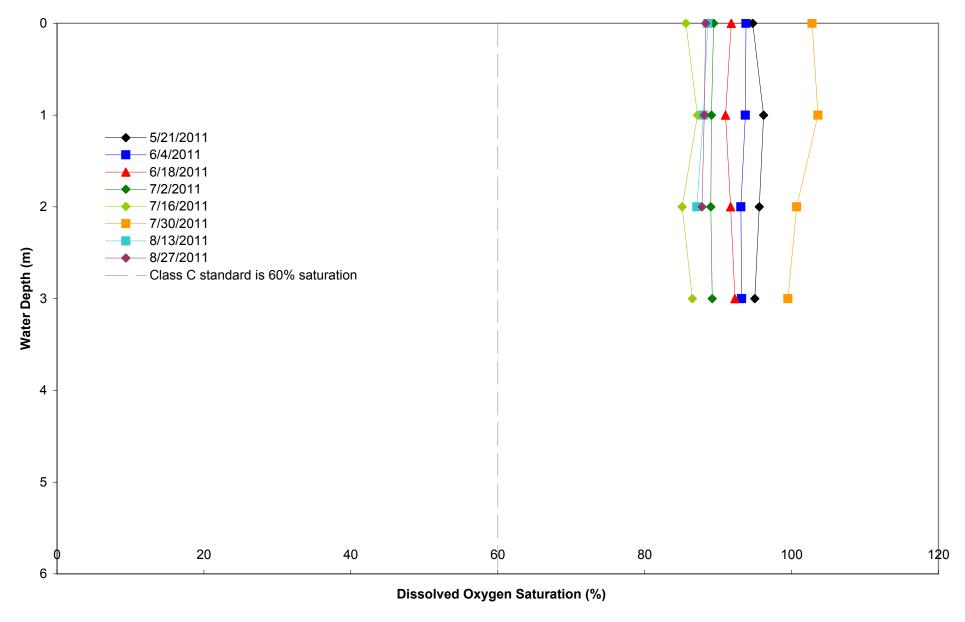


Figure 5-9-20. Profile values of dissolved oxygen saturation at Presumpscot River Watch monitoring site P030 on the Presumpscot River in 2011.

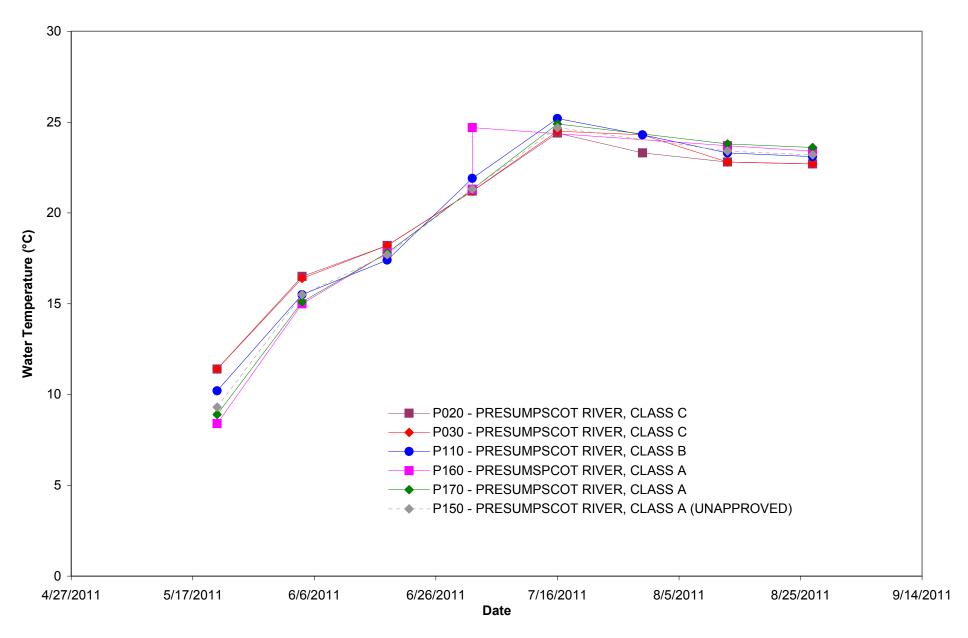


Figure 5-9-21. Water temperatures at Presumpscot River Watch monitoring sites on main stem of the Presumpscot River in 2011.

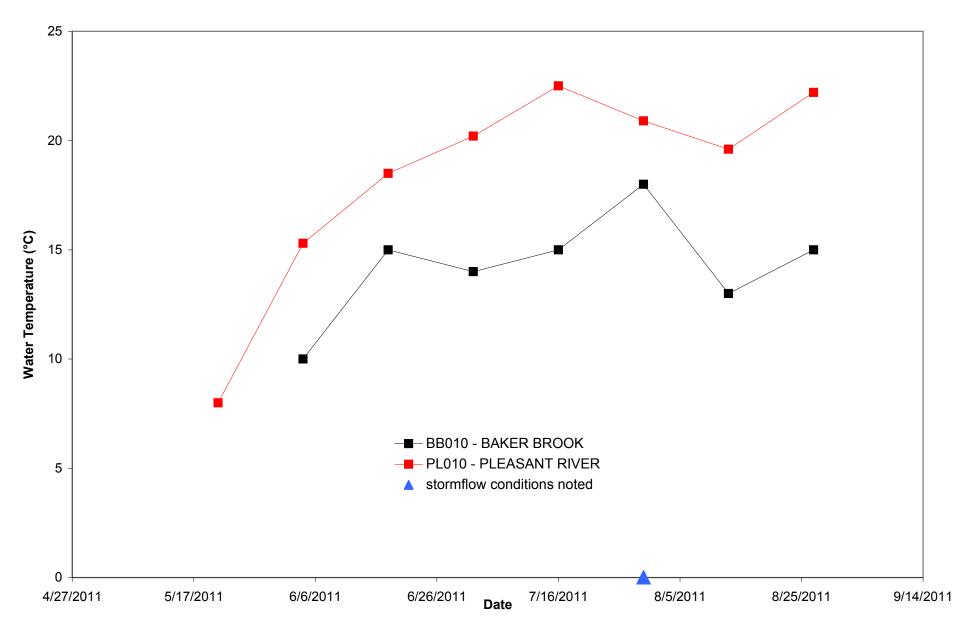


Figure 5-9-22. Water temperatures at Presumpscot River Watch monitoring sites on Pleasant River and Baker Brook in 2011.

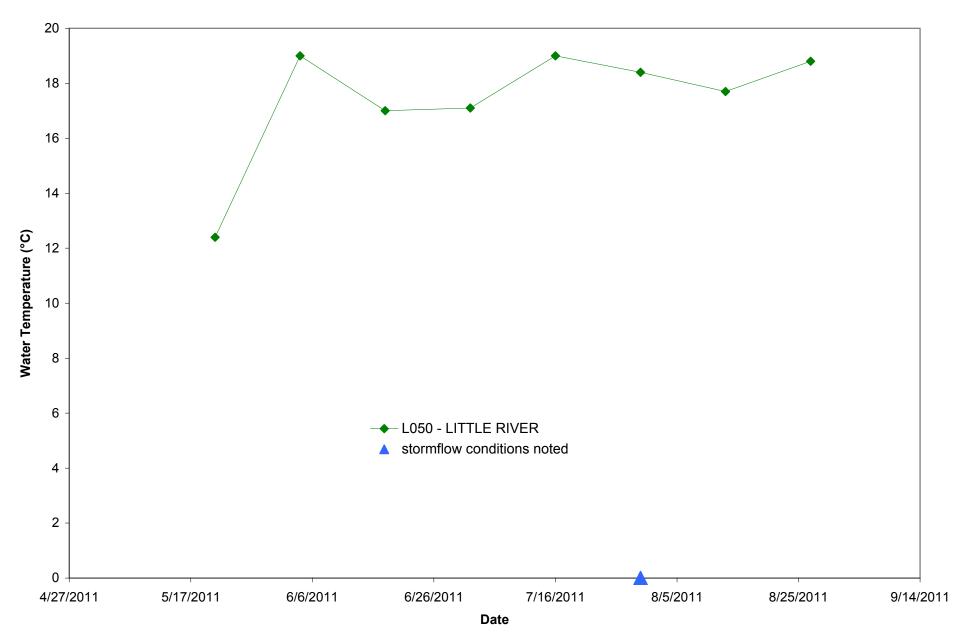


Figure 5-9-23. Water temperatures at Presumpscot River Watch monitoring sites on Little River in 2011.

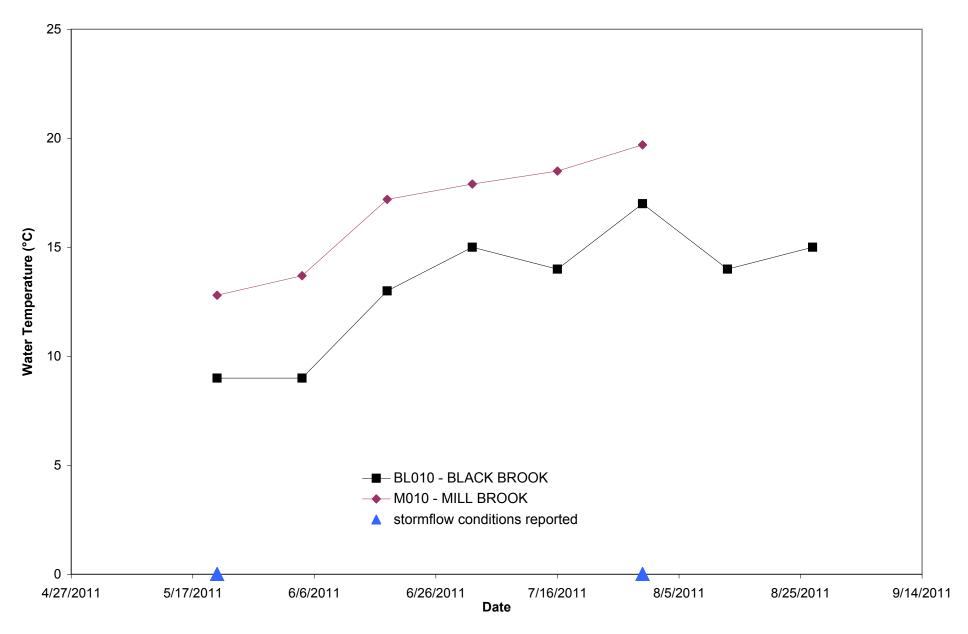


Figure 5-9-24. Water temperatures at Presumpscot River Watch monitoring sites on group 1 tributaries in 2011.

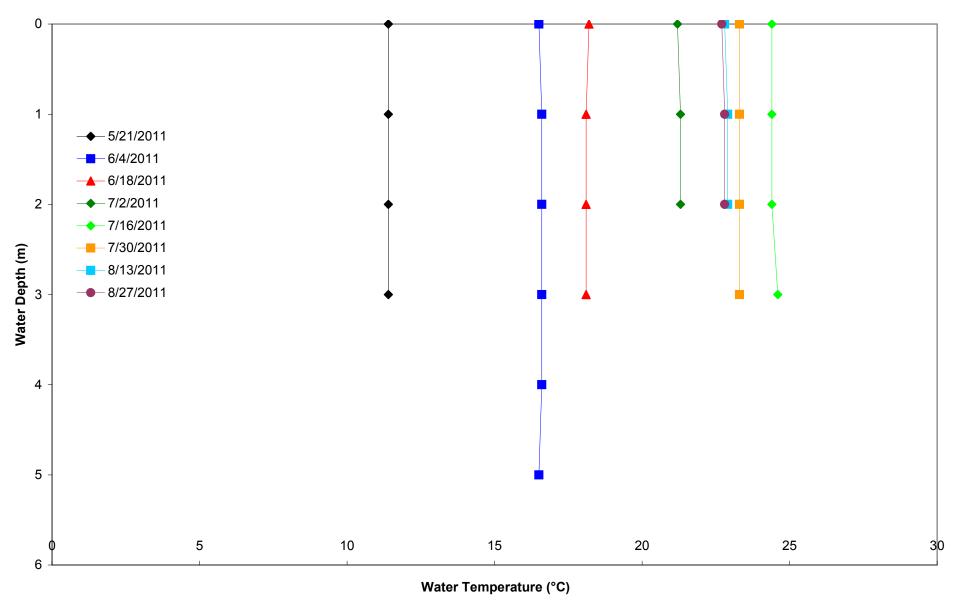


Figure 5-9-25. Profile values of water temperature at Presumpscot River Watch monitoring site P020 on the Presumpscot River in 2011.

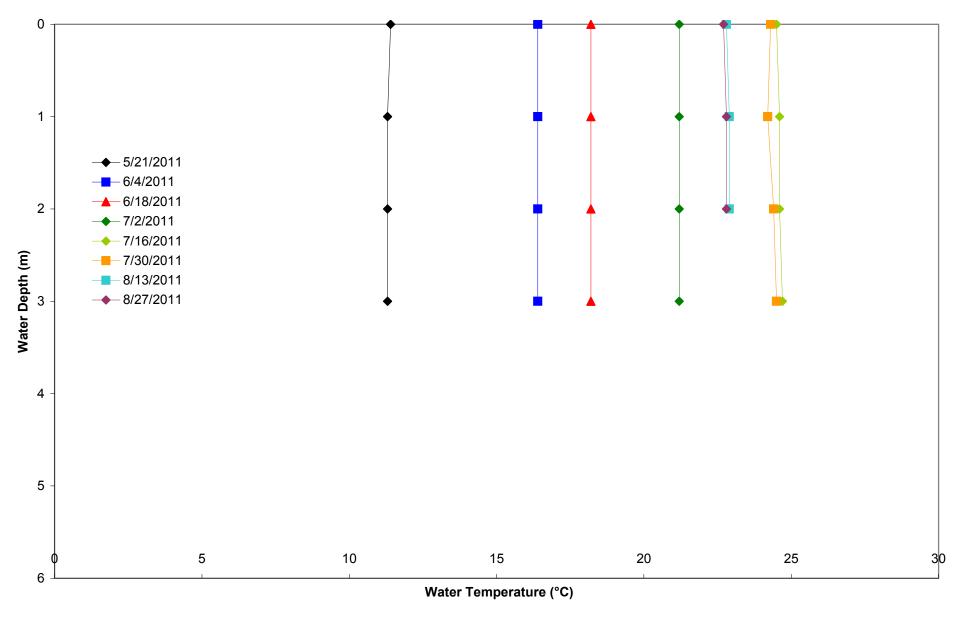


Figure 5-9-26. Profile values of water temperature at Presumpscot River Watch monitoring site P030 on the Presumpscot River in 2011.

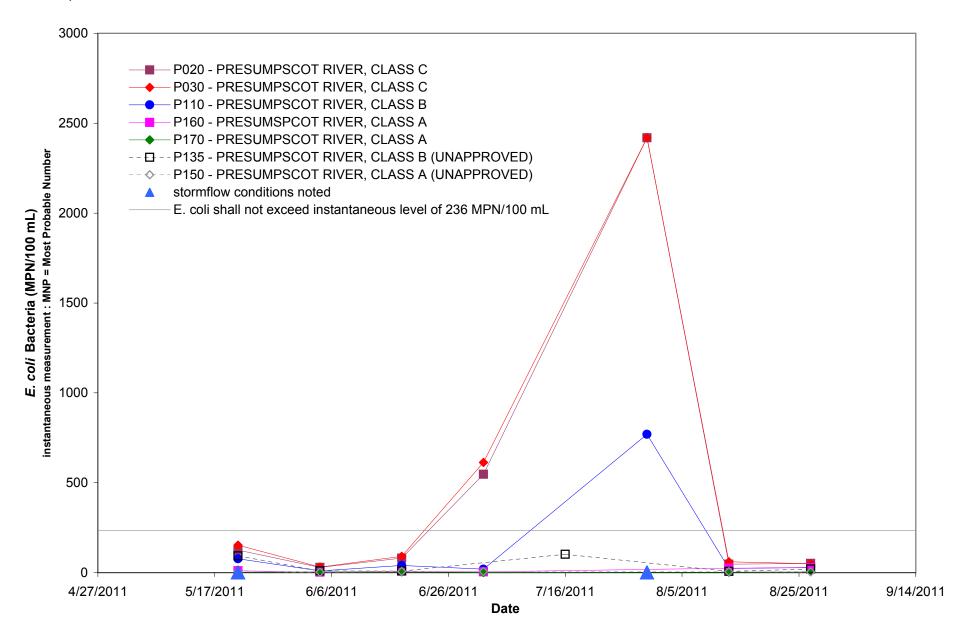


Figure 5-9-27. *E. coli* bacteria at Presumpscot River Watch monitoring sites on main stem of Presumpscot River in 2011.

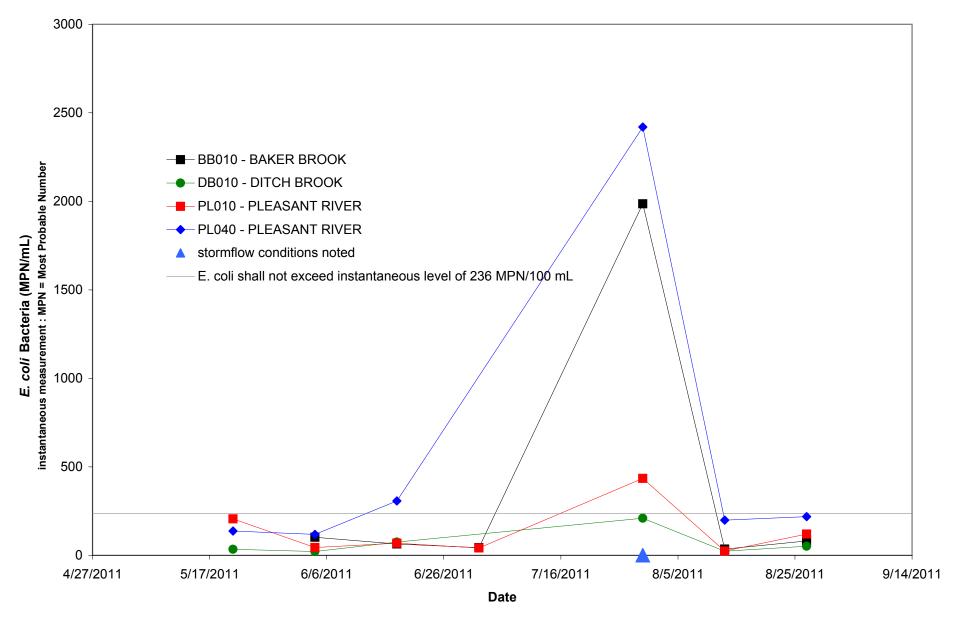


Figure 5-9-28. E. coli bacteria at Presumpscot River Watch monitoring sites on Pleasant River and tributaries in 2011.

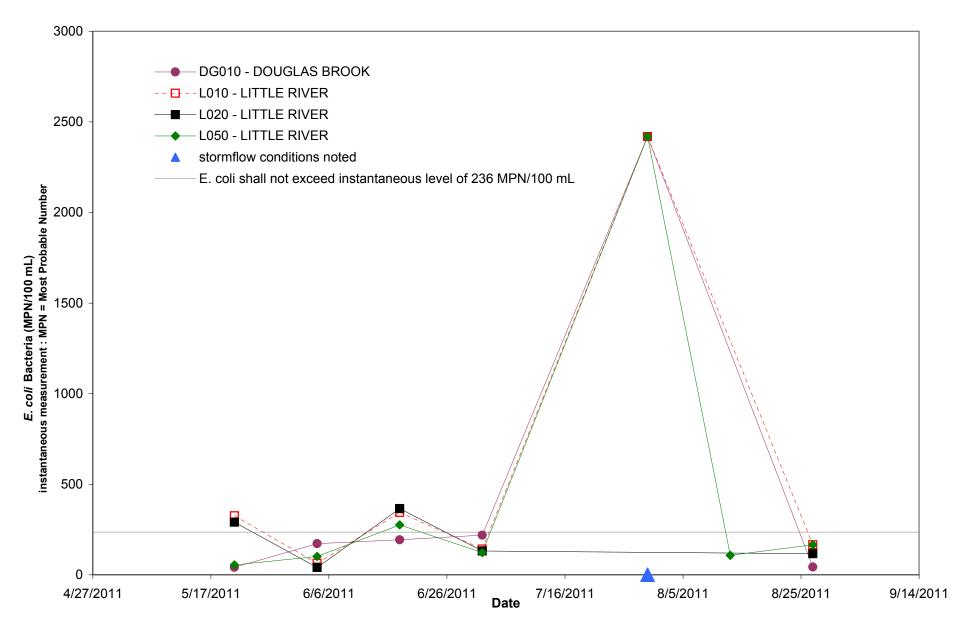


Figure 5-9-29. *E. coli* bacteria at Presumpscot River Watch monitoring sites on Little River and tributary in 2011.

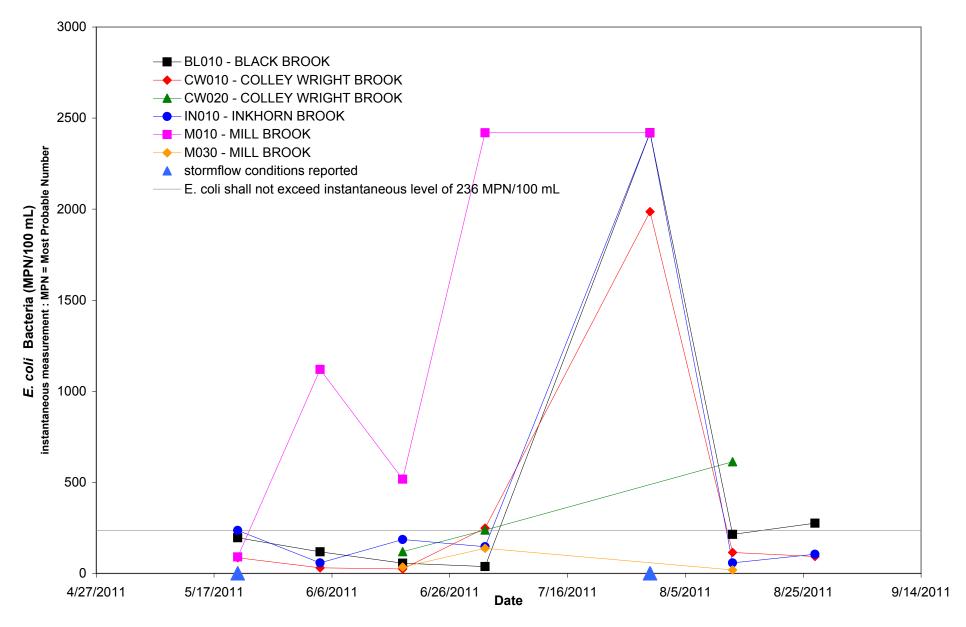


Figure 5-9-30. *E. coli* bacteria at Presumpscot River Watch monitoring sites on group 1 tributaries of Presumpscot River in 2011.

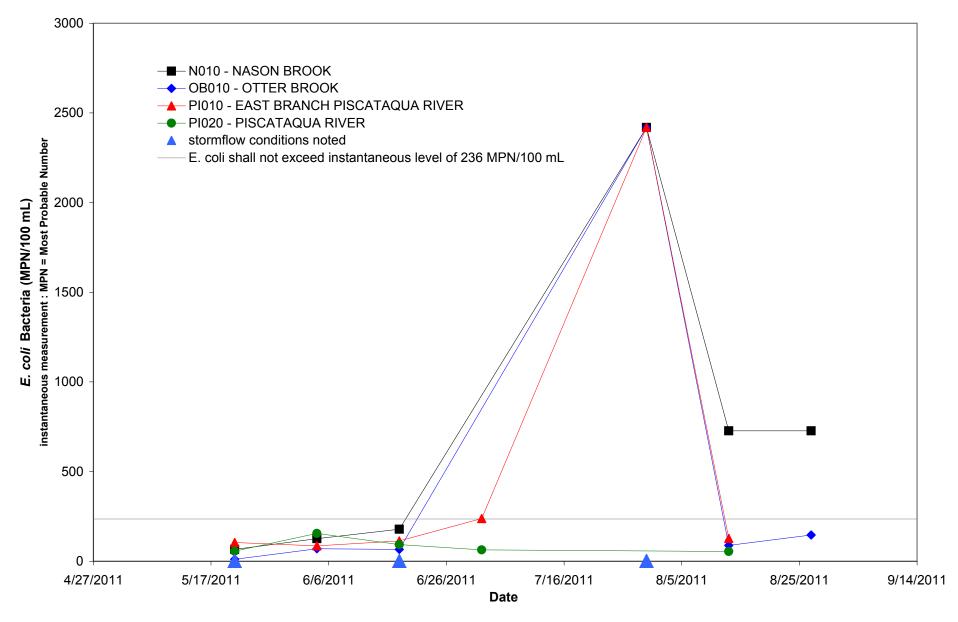


Figure 5-9-31. *E. coli* bacteria at Presumpscot River Watch monitoring sites on group 2 tributaries of Presumpscot River in 2011.

Appendix A-1. 2011 water quality data for "Approved" and "Non-Approved" sites. Non-Approved sites do not yet meet official VRMP sample location criteria and/or require further inspection and review.

- * Sampling depths are only reported for Tier 1 VRMP sites.
- ** "N" = normal environmental sample; "D" = field duplicate; "D.O." = dissolved oxygen; "Spec. Cond" = specific conductance; "Turb" = turbidity Refer to Appendix A-2 for observational data and quality assurance/quality control (QA/QC) notes.

Organization Site Code	VRMP Site ID	Date	Time	** Sample Type Qualifier	* Sample Depth	Depth Unit	Water Temp (DEG C)	** D.O. Sat. (%)	** D.O. (MG/L)	** Spec. Cond. (US/CM)	Salinity(PPTH)	Turbid- ity (NTU)	** TSS (MG/L)	E Coli Bacteria (MPN/ 100ML)
Presumpscot Ri	ver - Presumpscot River Watch (Appro	ved Sites)												
22242 24452														
BB010 - BAKER	DALKED DECOK DELEKAT VENAD	0/4/0044	0.07.414				4.0	05.50						404 =
	BAKER BROOK - RPLBK17 - VRMP	6/4/2011	6:27 AM					65.56	7.4					101.7
	BAKER BROOK - RPLBK17 - VRMP	6/18/2011	6:58 AM					65.45	6.6					64.4
	BAKER BROOK - RPLBK17 - VRMP	7/2/2011	6:45 AM				14		5.6					43.5
	BAKER BROOK - RPLBK17 - VRMP	7/16/2011	6:50 AM					58.51	5.9					1000.00
	BAKER BROOK - RPLBK17 - VRMP	7/30/2011	6:00 AM				18		3.2					1986.28
	BAKER BROOK - RPLBK17 - VRMP	8/13/2011	6:45 AM					60.74	6.4					35
BB010	BAKER BROOK - RPLBK17 - VRMP	8/27/2011	6:55 AM	N			15	50.58	5.1					80.9
BL010 - BLACK	DI AOK DDOOK DDKO5 VDAD	5/04/0044	7.05.414					07.40	7.0					405.0
	BLACK BROOK- RBK05 -VRMP	5/21/2011	7:25 AM					67.48	7.8					195.6
	BLACK BROOK- RBK05 -VRMP	6/4/2011	6:52 AM					70.94	8.2					118.7
	BLACK BROOK- RBK05 - VRMP	6/18/2011	7:25 AM					67.38	7.1					56.3
	BLACK BROOK- RBK05 -VRMP	7/2/2011	7:10 AM					63.47	6.4					38.2
	BLACK BROOK- RBK05 -VRMP	7/16/2011	7:15 AM					58.22	6					. 0440.0
	BLACK BROOK- RBK05 -VRMP	7/30/2011	6:45 AM					37.25	3.6					>2419.6
	BLACK BROOK- RBK05 -VRMP	8/13/2011	7:05 AM					66.95	6.9					214.3
BL010	BLACK BROOK- RBK05 -VRMP	8/27/2011	7:20 AM	N			15	65.45	6.6					275.5
CW010 -														
COLLEY														
WRIGHT									_					
	COLLEY WRIGHT BROOK - RCW10 - V	5/21/2011	7:35 AM						9					86.2
CW010	COLLEY WRIGHT BROOK - RCW10 - \	6/4/2011	8:05 AM						7.4					30.9
CW010	COLLEY WRIGHT BROOK - RCW10 - \	6/18/2011	7:50 AM						5.7					24.3
CW010	COLLEY WRIGHT BROOK - RCW10 - V	7/2/2011	8:15 AM						5					248.9
CW010	COLLEY WRIGHT BROOK - RCW10 - V	7/16/2011	8:20 AM						4.4					
	COLLEY WRIGHT BROOK - RCW10 - \	7/30/2011	7:50 AM						6					1986.28
CW010	COLLEY WRIGHT BROOK - RCW10 - \	8/13/2011	8:05 AM						5.4					115.3
CW010	COLLEY WRIGHT BROOK - RCW10 - \	8/27/2011	7:49 AM	N					5.8					93.3
CW020 -		l												
COLLEY		l												
WRIGHT														
	COLLEY WRIGHT BROOK - RCW28 - V	6/18/2011	6:50 AM											119.8
CW020	COLLEY WRIGHT BROOK - RCW28 - \	7/2/2011	7:20 AM	N					6.1					238.2

								**		**				E Coli
				** Sample			Water	D.O.	**	Spec.		Turbid-	**	Bacteria
Organization				Type	* Sample	Denth	Temp	Sat.	D.O.	Cond.	Salinity(TSS	(MPN/
Site Code	VRMP Site ID	Date	Time	Qualifier	Depth	Unit	(DEG C)	(%)	(MG/L)	(US/CM)	PPTH)	(NTU)	(MG/L)	100ML)
CW020	COLLEY WRIGHT BROOK - RCW28 - V	7/16/2011	7:15 AM		Doptiii	Oiiit	(5200)	(70)	5.2	(00/0111)		(1410)	(1110/11)	100IIIL)
CW020	COLLEY WRIGHT BROOK - RCW28 - V	8/13/2011	7:20 AM						6					613.1
DB010 - DITCH		0/10/2011												0.0
BROOK	DITCH BROOK - RPL00 - VRMP	5/21/2011	6:05 AM	N			12.11	90.23	9.7					34.1
DB010	DITCH BROOK - RPL00 - VRMP	6/4/2011	5:46 AM						7.5					21.8
DB010	DITCH BROOK - RPL00 - VRMP	6/18/2011	5:36 AM											74.9
DB010	DITCH BROOK - RPL00 - VRMP	7/16/2011	5:43 AM	N					6.4					
DB010	DITCH BROOK - RPL00 - VRMP	7/30/2011	5:58 AM	N					6.4					209.8
DB010	DITCH BROOK - RPL00 - VRMP	8/13/2011	6:22 AM	N					5.7					23.8
DB010	DITCH BROOK - RPL00 - VRMP	8/27/2011	6:45 AM	N					3.9					51.2
DG010 -														
DOUGLAS														
BROOK	DOUGLAS BROOK - RLTNBDG20 - VR	5/21/2011	7:35 AM						6.7					41.3
DG010	DOUGLAS BROOK - RLTNBDG20 - VR	6/4/2011	6:30 AM						6.6					172
DG010	DOUGLAS BROOK - RLTNBDG20 - VR	6/18/2011	7:00 AM						5.6					193.5
DG010	DOUGLAS BROOK - RLTNBDG20 - VR	7/2/2011	7:15 AM						5.6					218.7
DG010	DOUGLAS BROOK - RLTNBDG20 - VR	7/16/2011	7:00 AM						5					
DG010	DOUGLAS BROOK - RLTNBDG20 - VR	7/30/2011	7:15 AM						5.2					>2419.2
DG010	DOUGLAS BROOK - RLTNBDG20 - VR	8/27/2011	7:15 AM	N					5.6					43.2
IN010 -														
INKHORN														
BROOK	INKHORN BROOK - RIK05 - VRMP	5/21/2011	7:20 AM						7.8					235.9
IN010	INKHORN BROOK - RIK05 - VRMP	6/4/2011	7:50 AM						5					58.1
IN010	INKHORN BROOK - RIK05 - VRMP	6/18/2011	7:40 AM						4					186
IN010	INKHORN BROOK - RIK05 - VRMP	7/2/2011	8:00 AM						3.5					146.7
IN010	INKHORN BROOK - RIK05 - VRMP	7/16/2011	8:05 AM						3.2					04400
IN010	INKHORN BROOK - RIK05 - VRMP	7/30/2011	7:40 AM						4.5					>2419.2
IN010	INKHORN BROOK - RIK05 - VRMP	7/30/2011	7:40 AM						4.0					>2419.2
IN010 IN010	INKHORN BROOK - RIK05 - VRMP	8/13/2011	7:50 AM						4.3					58.3
	INKHORN BROOK - RIK05 - VRMP	8/27/2011	7:37 AM	IN					4.7					105
L020 - LITTLE	LITTLE DIVED DI TAS VOMO	E /04 /004 4	7.45 444						۰					200.0
RIVER	LITTLE RIVER - RLT15 - VRMP	5/21/2011	7:15 AM						8.5					290.9
L020	LITTLE RIVER - RLT15 - VRMP	6/4/2011	7:10 AM						8.2					40.4
L020 L020	LITTLE RIVER - RLT15 - VRMP LITTLE RIVER - RLT15 - VRMP	6/18/2011	7:25 AM 7:40 AM						6.6 6.2					365.4
		7/2/2011												131.7
L020	LITTLE RIVER - RLT15 - VRMP LITTLE RIVER - RLT15 - VRMP	7/16/2011	7:25 AM				-		6.4					
L020 L020		7/30/2011	7:45 AM 7:55 AM						4.8					116.0
L020 L050 - LITTLE	LITTLE RIVER - RLT15 - VRMP	8/27/2011	IVIA CC. 1	IN					6.7					116.9
RIVER	LITTLE DIVED LOSO VOMO	E/01/0011	0.20 444	 			10.4	00.0	0.74					E 4 7
	LITTLE RIVER LOSO VEMP	5/21/2011	8:30 AM 7:35 AM				12.4		9.74 8.31					54.7 101.9
L050	LITTLE RIVER LOSO VEMP	6/4/2011					19	81						275.5
L050	LITTLE RIVER-L050-VRMP	6/18/2011	6:35 AM	IN			17	80.4	7.85					2/5.5

								**		**				E Coli
				** Sample			Water	D.O.	**	Spec.		Turbid-	**	Bacteria
Organization				Type	* Sample	Denth	Temp	Sat.	D.O.	Cond.	Salinity(ity	TSS	(MPN/
Site Code	VRMP Site ID	Date	Time	Qualifier	Depth	Unit	(DEG C)	(%)	(MG/L)	(US/CM)	PPTH)	(NTU)	(MG/L)	100ML)
L050	LITTLE RIVER-L050-VRMP	7/2/2011	7:55 AM		Бери	Oint	17.1	75.3	7.16	(00/0141)		(1410)	(IVIO/L)	122.5
L050	LITTLE RIVER-L050-VRMP	7/16/2011	6:40 AM				19		6.62					122.0
L050	LITTLE RIVER-L050-VRMP	7/30/2011	6:40 AM				18.4	84.4						>2419.2
L050	LITTLE RIVER-L050-VRMP	8/13/2011	6:30 AM				17.7	78.9	7.61					107.6
L050	LITTLE RIVER-L050-VRMP	8/27/2011	6:40 AM				18.8	85.9	8.12					166.4
M010 - MILL	ETTTEE TOTAL EGGS VIGUI	0/2//2011	0.107111				10.0	00.0	0.12					100.1
BROOK	MILL BROOK - RML01 - VRMP	5/21/2011	7:31 AM	N			12.8	90.6	9.53					90.6
M010	MILL BROOK - RML01 - VRMP	6/4/2011	8:14 AM				13.7	87.2	9.03					1119.9
M010	MILL BROOK - RML01 - VRMP	6/18/2011	7:00 AM				17.2	84	7.97					517.2
M010	MILL BROOK - RML01 - VRMP	7/2/2011	7:20 AM				17.9							>2419.6
M010	MILL BROOK - RML01 - VRMP	7/16/2011	6:40 AM				18.5	81.7	7.65					2410.0
M010	MILL BROOK - RML01 - VRMP	7/30/2011	7:10 AM				19.7	94.5						>2419.2
M030 - MILL	INITE BROOK TRIVIEGT VICINI	770072011	7.107111				10.7	01.0	0.00					2110.2
BROOK	MILL BROOK - RML63 - VRMP	6/18/2011	7:15 AM	N										35
M030	MILL BROOK - RML63 - VRMP	7/2/2011	6:50 AM						6.8					137.6
M030	MILL BROOK - RML63 - VRMP	7/16/2011	6:50 AM						6.4					107.0
M030	MILL BROOK - RML63 - VRMP	8/13/2011	6:50 AM						6.8					18.9
N010 - NASON	WHEE BROOK - RIVIEGS - VIRIVII	0/10/2011	0.00 / ((v)	11					0.0					10.5
BROOK	NASON BROOK - RNS11 - VRMP	5/21/2011	6:30 AM	N			11 33	80.41	8.8					66.3
N010	NASON BROOK - RNS11 - VRMP	6/4/2011	6:08 AM				11.00	00.41	7.4					125.9
N010	NASON BROOK - RNS11 - VRMP	6/18/2011	6:02 AM						6.5					178.2
N010	NASON BROOK - RNS11 - VRMP	7/16/2011	6:14 AM						6.2					170.2
N010	NASON BROOK - RNS11 - VRMP	7/30/2011	6:20 AM						4.4					>2419.2
N010	NASON BROOK - RNS11 - VRMP	8/13/2011	6:41 AM						6					727
N010	NASON BROOK - RNS11 - VRMP	8/27/2011	7:05 AM						- 0					727
14010	NASON BROOK - KINSTT - VIKWIF	0/21/2011	7.03 AIVI	IN										121
OB010 - OTTER														1
BROOK	OTTER BROOK - ROT06 - VRMP	5/21/2011	5:33 AM	NI			12 11	42.79	4.6					10.9
OB010	OTTER BROOK - ROT06 - VRMP	6/4/2011	5:13 AM				12.11	42.13	3.8					69.9
OB010 OB010	OTTER BROOK - ROT06 - VRMP	6/18/2011	5:08 AM						2.8					66.3
OB010	OTTER BROOK - ROT06 - VRMP	7/16/2011	5:15 AM						2.2					00.5
OB010	OTTER BROOK - ROT06 - VRMP	7/30/2011	5:28 AM						1.7					2419.17
OB010	OTTER BROOK - ROT06 - VRMP	8/13/2011	5:43 AM						2.4					88
OB010	OTTER BROOK - ROT06 - VRMP	8/27/2011	6:21 AM						1.8					146.1
P020 -	OTTER BROOK - ROTOU - VINIF	0/21/2011	U.Z I AIVI	IN					1.0					140.1
PRESUMPSCO														1
T RIVER	PRESUMPSCOT RIVER - R24 - VRMP	5/21/2011	6:55 AM	N										125.9
P020	PRESUMPSCOT RIVER - R24 - VRMP	5/21/2011	6:55 AM		0	М	11.4	95.3	10.4					120.9
P020	PRESUMPSCOT RIVER - R24 - VRMP	5/21/2011	6:55 AM		1.0		11.4	95.3	10.4				1	
P020 P020	PRESUMPSCOT RIVER - R24 - VRMP	5/21/2011	6:55 AM		2.0		11.4	96.1	10.5				-	
P020	PRESUMPSCOT RIVER - R24 - VRMP	5/21/2011	6:55 AM		3.0		11.4	96.1	10.5					
P020	PRESUMPSCOT RIVER - R24 - VRMP	6/4/2011	7:24 AM		3.0	IVI	11.4	90.2	10.4					29.2
FUZU	FRESUMPSOUT KIVER - K24 - VRIMP	0/4/2011	1.24 AW	IN			1						1	Z9.Z

								**		**				E Coli
				** Sample			Water	D.O.	**	Spec.		Turbid-	**	Bacteria
Organization				Type	* Sample	Depth	Temp	Sat.	D.O.	Cond.	Salinity(ity	TSS	(MPN/
Site Code	VRMP Site ID	Date	Time	Qualifier	Depth	Unit	(DEG C)	(%)	(MG/L)	(US/CM)	PPTH)	(NTU)	(MG/L)	100ML)
P020	PRESUMPSCOT RIVER - R24 - VRMP	6/4/2011	7:24 AM	N	.0	М	16.5	93.1	9.08	`	,		` <i>'</i>	
P020	PRESUMPSCOT RIVER - R24 - VRMP	6/4/2011	7:24 AM	N	1.0	M	16.6	92.9	9.08					
P020	PRESUMPSCOT RIVER - R24 - VRMP	6/4/2011	7:24 AM	N	2.0	M	16.6	92.6	9.05					
P020	PRESUMPSCOT RIVER - R24 - VRMP	6/4/2011	7:24 AM	N	3.0	M	16.6	92	8.97					
P020	PRESUMPSCOT RIVER - R24 - VRMP	6/4/2011	7:24 AM	N	4.0	M	16.6	92.9	9.05					
P020	PRESUMPSCOT RIVER - R24 - VRMP	6/4/2011	7:24 AM		5.0	M	16.5	92.3	9.02					
P020	PRESUMPSCOT RIVER - R24 - VRMP	6/18/2011	6:30 AM	N										81.3
P020	PRESUMPSCOT RIVER - R24 - VRMP	6/18/2011	6:30 AM		.0	M	18.2	93.4	8.8					
P020	PRESUMPSCOT RIVER - R24 - VRMP	6/18/2011	6:30 AM	N	1.0	M	18.1	93.7	8.8					
P020	PRESUMPSCOT RIVER - R24 - VRMP	6/18/2011	6:30 AM	N	2.0	M	18.1	93.6	8.85					
P020	PRESUMPSCOT RIVER - R24 - VRMP	6/18/2011	6:30 AM	N	3.0	M	18.1	92	8.75					
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/2/2011	6:30 AM	N										547.5
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/2/2011	6:30 AM	N	.0	M	21.2	85.3	7.5					
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/2/2011	6:30 AM	N	1.0	M	21.3	85.3	7.5					
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/2/2011	6:30 AM	N	2.0	M	21.3	85.4	7.5					
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/16/2011	6:10 AM	N										
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/16/2011	6:10 AM	N	.0	M	24.4	83.6	7.21					
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/16/2011	6:10 AM	N	1.0	М	24.4	85.3	7.19					
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/16/2011	6:10 AM	N	2.0	М	24.4	84.6	6.85					
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/16/2011	6:10 AM	N	3.0	M	24.6	81	6.98					
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/30/2011	6:20 AM	N										>2419.2
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/30/2011	6:20 AM	N	.0	M	23.3	92.4	7.91					
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/30/2011	6:20 AM	N	1.0	M	23.3	92.8	7.86					
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/30/2011	6:20 AM	N	2.0	M	23.3	91.5	7.8					
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/30/2011	6:20 AM	N	3.0	M	23.3	92	7.94					
P020	PRESUMPSCOT RIVER - R24 - VRMP	8/13/2011	7:15 AM	N										47.2
P020	PRESUMPSCOT RIVER - R24 - VRMP	8/13/2011	7:15 AM	N	.0	M	22.8	82.1	7.1					
P020	PRESUMPSCOT RIVER - R24 - VRMP	8/13/2011	7:15 AM	N	1.0	M	22.9	81.6	7					
P020	PRESUMPSCOT RIVER - R24 - VRMP	8/13/2011	7:15 AM	N	2.0	M	22.9	82.2	7.1					
P020	PRESUMPSCOT RIVER - R24 - VRMP	8/27/2011	7:10 AM	N										51.2
P020	PRESUMPSCOT RIVER - R24 - VRMP	8/27/2011	7:10 AM	N	.0	M	22.7	85	7.36					
P020	PRESUMPSCOT RIVER - R24 - VRMP	8/27/2011	7:10 AM	N	1.0	M	22.8	84.2	7.2					
P020	PRESUMPSCOT RIVER - R24 - VRMP	8/27/2011	7:10 AM	N	2.0	M	22.8	83.7	7.23					
P030 -														
PRESUMPSCO														1
T RIVER	PRESUMPSCOT RIVER - R47 - VRMP	5/21/2011	7:19 AM	N										152.9
P030	PRESUMPSCOT RIVER - R47 - VRMP	5/21/2011	7:19 AM	N		M	11.4	94.7	10.45					
P030	PRESUMPSCOT RIVER - R47 - VRMP	5/21/2011	7:19 AM	N	1.0	M	11.3	96.2	10.58					
P030	PRESUMPSCOT RIVER - R47 - VRMP	5/21/2011	7:19 AM	N	2.0	M	11.3	95.6	10.47					
P030	PRESUMPSCOT RIVER - R47 - VRMP	5/21/2011	7:19 AM	N	3.0		11.3	95	10.45					
P030	PRESUMPSCOT RIVER - R47 - VRMP	6/4/2011	8:01 AM	N										30.9
P030	PRESUMPSCOT RIVER - R47 - VRMP	6/4/2011	8:01 AM	N	.0	M	16.4	93.8	9.18					

								**		**				E Coli
				** Sample			Water	D.O.	**	Spec.		Turbid-	**	Bacteria
Organization				Type	* Sample	Depth	Temp	Sat.	D.O.	Cond.	Salinity(TSS	(MPN/
Site Code	VRMP Site ID	Date	Time	Qualifier	Depth	Unit	(DEG C)	(%)	(MG/L)	(US/CM)	PPTH)	(NTU)	(MG/L)	100ML)
P030	PRESUMPSCOT RIVER - R47 - VRMP	6/4/2011	8:01 AM		1.0	M	16.4	93.7	9.17	(/	,	(- /	, ,	,
P030	PRESUMPSCOT RIVER - R47 - VRMP	6/4/2011	8:01 AM	N	2.0		16.4	93.1	9.17					
P030	PRESUMPSCOT RIVER - R47 - VRMP	6/4/2011	8:01 AM		3.0	М	16.4	93.2	9.17					
P030	PRESUMPSCOT RIVER - R47 - VRMP	6/4/2011	8:01 AM	D										45
P030	PRESUMPSCOT RIVER - R47 - VRMP	6/18/2011	6:45 AM	N										90.9
P030	PRESUMPSCOT RIVER - R47 - VRMP	6/18/2011	6:45 AM	N	.0	M	18.2	91.8	8.6					
P030	PRESUMPSCOT RIVER - R47 - VRMP	6/18/2011	6:45 AM	N	1.0	M	18.2	91	8.67					
P030	PRESUMPSCOT RIVER - R47 - VRMP	6/18/2011	6:45 AM	N	2.0	M	18.2	91.7	8.57					
P030	PRESUMPSCOT RIVER - R47 - VRMP	6/18/2011	6:45 AM	N	3.0	M	18.2	92.3	8.65					
P030	PRESUMPSCOT RIVER - R47 - VRMP	7/2/2011	6:55 AM	N										613.1
P030	PRESUMPSCOT RIVER - R47 - VRMP	7/2/2011	6:55 AM			M	21.2	89.4	7.9					
P030	PRESUMPSCOT RIVER - R47 - VRMP	7/2/2011	6:55 AM		1.0	M	21.2	89.1	7.9					
P030	PRESUMPSCOT RIVER - R47 - VRMP	7/2/2011	6:55 AM		2.0	M	21.2	89						
P030	PRESUMPSCOT RIVER - R47 - VRMP	7/2/2011	6:55 AM		3.0	M	21.2	89.2	7.9					
P030	PRESUMPSCOT RIVER - R47 - VRMP	7/16/2011	6:25 AM	N										
P030	PRESUMPSCOT RIVER - R47 - VRMP	7/16/2011	6:25 AM			M	24.5	85.6	7.07					
P030	PRESUMPSCOT RIVER - R47 - VRMP	7/16/2011	6:25 AM		1.0		24.6	87.2	7.28					
P030	PRESUMPSCOT RIVER - R47 - VRMP	7/16/2011	6:25 AM		2.0	M	24.6	85.1	7.1					
P030	PRESUMPSCOT RIVER - R47 - VRMP	7/16/2011	6:25 AM	N	3.0	M	24.7	86.5	7.14					
P030	PRESUMPSCOT RIVER - R47 - VRMP	7/30/2011	6:45 AM	Ν										>2419.2
P030	PRESUMPSCOT RIVER - R47 - VRMP	7/30/2011	6:45 AM	N	.0	M	24.3	102.8	8.56					
P030	PRESUMPSCOT RIVER - R47 - VRMP	7/30/2011	6:45 AM		1.0	M	24.2	103.6	8.5					
P030	PRESUMPSCOT RIVER - R47 - VRMP	7/30/2011	6:45 AM	N	2.0	M	24.4	100.7	8.47					
P030	PRESUMPSCOT RIVER - R47 - VRMP	7/30/2011	6:45 AM		3.0	M	24.5	99.5	8.44					
P030	PRESUMPSCOT RIVER - R47 - VRMP	8/13/2011	7:45 AM	N										60.1
P030	PRESUMPSCOT RIVER - R47 - VRMP	8/13/2011	7:45 AM	N	.0	M	22.8	88.6						
P030	PRESUMPSCOT RIVER - R47 - VRMP	8/13/2011	7:45 AM		1.0	M	22.9	88						
P030	PRESUMPSCOT RIVER - R47 - VRMP	8/13/2011	7:45 AM		2.0	M	22.9	87.1	7.5					
P030	PRESUMPSCOT RIVER - R47 - VRMP	8/27/2011	7:30 AM	N										49.6
P030	PRESUMPSCOT RIVER - R47 - VRMP	8/27/2011	7:30 AM	Ν	.0	M	22.7	88.3	7.63					
P030	PRESUMPSCOT RIVER - R47 - VRMP	8/27/2011	7:30 AM	N	1.0	M	22.8	88.1	7.58					
P030	PRESUMPSCOT RIVER - R47 - VRMP	8/27/2011	7:30 AM	N	2.0	M	22.8	87.8	7.57					
P110 -														
PRESUMPSCO														
T RIVER	PRESUMPSCOT RIVER - R133 - VRMF	5/21/2011	6:15 AM				10.2							77.1
P110	PRESUMPSCOT RIVER - R133 - VRM	6/4/2011	6:40 AM				15.5	97.5	9.7					9.6
P110	PRESUMPSCOT RIVER - R133 - VRMI	6/18/2011	7:04 AM	Ν			17.4	97.9	9.39					39.9
P110	PRESUMPSCOT RIVER - R133 - VRMI	7/2/2011	6:30 AM	N			21.9	95.7	8.38					19.9
P110	PRESUMPSCOT RIVER - R133 - VRMI	7/16/2011	6:25 AM	N			25.2	84.6	6.89					
P110	PRESUMPSCOT RIVER - R133 - VRMI	7/30/2011	6:15 AM	N			24.3	81.4	6.83					770.1
P110	PRESUMPSCOT RIVER - R133 - VRMI	8/13/2011	6:10 AM	N			23.3	70.6	5.75					23.1
P110	PRESUMPSCOT RIVER - R133 - VRMI	8/27/2011	6:15 AM	N			23.1	98.7	8.47					29.2

								**		**				E Coli
				** Sample			Water	D.O.	**	Spec.		Turbid-	**	Bacteria
Organization				Type	* Sample	•	Temp	Sat.	D.O.	Cond.	Salinity(_	TSS	(MPN/
Site Code	VRMP Site ID	Date	Time	Qualifier	Depth	Unit	(DEG C)	(%)	(MG/L)	(US/CM)	PPTH)	(NTU)	(MG/L)	100ML)
P160 -														
PRESUMPSCO														
T RIVER	PRESUMPSCOT RIVER - R195 - VRMF	5/21/2011	6:35 AM				8.4		11.54					10.9
P160	PRESUMPSCOT RIVER - R195 - VRMF	6/4/2011	6:15 AM				15		10.26					3.1
P160	PRESUMPSCOT RIVER - R195 - VRMF	6/4/2011	6:15 AM				15.1	102.3	10.27					5.2
P160	PRESUMPSCOT RIVER - R195 - VRMF	6/18/2011	6:10 AM				17.8		9.75					8.5
P160	PRESUMPSCOT RIVER - R195 - VRMF	7/2/2011	5:50 AM				21.3		9.59					4.1
P160	PRESUMPSCOT RIVER - R195 - VRMF	7/2/2011	6:09 AM				24.7	86.4	7.2					
P160	PRESUMPSCOT RIVER - R195 - VRMF	8/13/2011	6:00 AM				23.7	93.4	7.9					24.6
P160	PRESUMPSCOT RIVER - R195 - VRMF	8/27/2011	6:05 AM	N			23.4	87.8	7.48					27.5
P170 -														
PRESUMPSCO														
T RIVER	PRESUMPSCOT RIVER - R202 - VRMF	5/21/2011	6:20 AM					100.8	11.62					3.1
P170	PRESUMPSCOT RIVER - R202 - VRMF	6/4/2011	6:00 AM				15.1	103.7	10.47					4.1
P170	PRESUMPSCOT RIVER - R202 - VRMF	6/18/2011	5:48 AM				17.8	104.1	9.9					4.1
P170	PRESUMPSCOT RIVER - R202 - VRMF	6/18/2011	5:48 AM				17.8		9.9					3.1
P170	PRESUMPSCOT RIVER - R202 - VRMF	7/2/2011	5:35 AM				21.3		9.75					1
P170	PRESUMPSCOT RIVER - R202 - VRMF	7/16/2011	5:52 AM				24.9	88.9	7.39					
P170	PRESUMPSCOT RIVER - R202 - VRMF	8/13/2011	5:43 AM				23.8	94.7	8.04					3.1
P170	PRESUMPSCOT RIVER - R202 - VRMF	8/27/2011	5:47 AM	Ν			23.6	90.6	7.7					5.2
PI010 - EAST														
BRANCH	EAST BRANCH PISCATAQUA RIVER -	5/21/2011	7:20 AM						8.5					104.3
PI010	EAST BRANCH PISCATAQUA RIVER -	6/4/2011	7:08 AM						6.6					86
PI010	EAST BRANCH PISCATAQUA RIVER -	6/18/2011	7:25 AM						5.9					113.7
PI010	EAST BRANCH PISCATAQUA RIVER -	7/2/2011	6:45 AM						5.8					238.2
PI010	EAST BRANCH PISCATAQUA RIVER -	7/16/2011	7:00 AM						4.8					
PI010	EAST BRANCH PISCATAQUA RIVER -	7/16/2011	7:00 AM						4.5					
PI010	EAST BRANCH PISCATAQUA RIVER -	7/30/2011	6:15 AM						6					>2419.2
PI010	EAST BRANCH PISCATAQUA RIVER -	8/13/2011	7:20 AM	N					6.9					127.4
PI020 - WEST														
BRANCH	PISCATAQUA RIVER - RPS12 - VRMP	5/21/2011	7:35 AM	N					9.4					56.5
PI020	PISCATAQUA RIVER - RPS12 - VRMP	6/4/2011	7:20 AM	N					8.5					155.3
PI020	PISCATAQUA RIVER - RPS12 - VRMP	6/18/2011	7:45 AM						7.9					93.2
PI020	PISCATAQUA RIVER - RPS12 - VRMP	7/2/2011	7:00 AM						7.1					63.3
PI020	PISCATAQUA RIVER - RPS12 - VRMP	7/16/2011	7:15 AM						7.2					
PI020	PISCATAQUA RIVER - RPS12 - VRMP	7/30/2011	6:25 AM						7.1					
PI020	PISCATAQUA RIVER - RPS12 - VRMP	8/13/2011	7:40 AM	N					6.8					54.5
PL010 -														
PLEASANT														
RIVER	PLEASANT RIVER - RPL06 - VRMP	5/21/2011	7:05 AM	N			8	75.99	9					206.3
PL010	PLEASANT RIVER - RPL06 - VRMP	6/4/2011	7:00 AM	N			15.3	84.9	8.52					44.1
PL010	PLEASANT RIVER - RPL06 - VRMP	6/18/2011	7:55 AM				18.5		8.23					68.9

								**	4.4	**			**	E Coli
				** Sample			Water	D.O.	**	Spec.		Turbid-		Bacteria
Organization	VPMP 6:40 ID	Dete	T:	Type	* Sample	•	Temp	Sat.	D.O.		Salinity(•	TSS	(MPN/
Site Code PL010	VRMP Site ID PLEASANT RIVER - RPL06 - VRMP	7/2/2011	Time 6:10 AM	Qualifier	Depth	Unit	(DEG C)	(%) 86.4	(MG/L) 7.66	(US/CM)	PPTH)	(NTU)	(MG/L)	100ML) 41.3
PL010	PLEASANT RIVER - RPL06 - VRMP	7/16/2011	6:10 AM				20.2	79.3	6.78					41.3
PL010	PLEASANT RIVER - RPL06 - VRMP	7/30/2011	6:05 AM				20.9		8.05					435.2
PL010	PLEASANT RIVER - RPL06 - VRMP	8/13/2011	6:00 AM				19.6	82.7	7.64					24.3
PL010	PLEASANT RIVER - RPL06 - VRMP	8/27/2011	6:01 AM				22.2	95.5	8.16					119.8
PL040 -	LEAGANT KIVEK - KI E00 - VIKIVII	0/21/2011	U.U I AIVI	IN			22.2	90.0	0.10					119.0
PLEASANT														
RIVER	PLEASANT RIVER - RPL47 - VRMP	5/21/2011	5:46 AM	N			12	80.73	8.7					137.6
PL040	PLEASANT RIVER - RPL47 - VRMP	6/4/2011	5:35 AM					00.10	5.8					118.7
PL040	PLEASANT RIVER - RPL47 - VRMP	6/18/2011	5:25 AM						6.2					307.6
PL040	PLEASANT RIVER - RPL47 - VRMP	7/16/2011	5:33 AM						5.2					551.15
PL040	PLEASANT RIVER - RPL47 - VRMP	7/30/2011	5:45 AM						4.2					>2419.6
PL040	PLEASANT RIVER - RPL47 - VRMP	8/13/2011	6:12 AM						5.8					198.9
PL040	PLEASANT RIVER - RPL47 - VRMP	8/27/2011	6:32 AM											218.7
		-												_
Presumpscot R	iver - Presumpscot River Watch (Non-a	pproved Site	es)											
	·	•	<u>, </u>											
L010 - LITTLE														
RIVER	LITTLE RIVER - RLT08 - PRW	5/21/2011	7:05 AM	N					8.5					325.5
L010	LITTLE RIVER - RLT08 - PRW	6/4/2011	7:00 AM	N					6.8					63.8
L010	LITTLE RIVER - RLT08 - PRW	6/18/2011	7:15 AM	N					6.3					344.8
L010	LITTLE RIVER - RLT08 - PRW	7/2/2011	7:30 AM	N					5.9					142.1
L010	LITTLE RIVER - RLT08 - PRW	7/16/2011	7:15 AM	N					5.4					
L010	LITTLE RIVER - RLT08 - PRW	7/30/2011	7:30 AM	N					5.6					>2419.2
L010	LITTLE RIVER - RLT08 - PRW	8/27/2011	7:40 AM	N					6.5					165.8
P135 -														
PRESUMPSCO														
T RIVER	PRESUMPSCOT RIVER - R157 - PRW	5/21/2011	6:43 AM	N			9.06							93.3
P135	PRESUMPSCOT RIVER - R157 - PRW	6/4/2011	6:28 AM						8.2					9.8
P135	PRESUMPSCOT RIVER - R157 - PRW	6/18/2011	6:17 AM						7					8.6
P135	PRESUMPSCOT RIVER - R157 - PRW	7/16/2011	6:28 AM						6.4					
P135	PRESUMPSCOT RIVER - R157 - PRW	7/16/2011	6:35 AM						5.4					101.9
P135	PRESUMPSCOT RIVER - R157 - PRW	8/13/2011	7:03 AM						5.8					7.4
P135	PRESUMPSCOT RIVER - R157 - PRW	8/27/2011	7:17 AM	N					6					20.3
P150 -														
PRESUMPSCO														
T RIVER	PRESUMPSCOT RIVER - R166 - PRW	5/21/2011	7:10 AM				9.3		11.37					7.4
P150	PRESUMPSCOT RIVER - R166 - PRW	6/4/2011	7:00 AM				15.5	101.1	10.11					3
P150	PRESUMPSCOT RIVER - R166 - PRW	6/18/2011	6:45 AM				17.7	98.1	9.36					7.4
P150	PRESUMPSCOT RIVER - R166 - PRW	7/2/2011	6:34 AM				21.3	104.6	9.22					6.3
P150	PRESUMPSCOT RIVER - R166 - PRW	7/2/2011	6:34 AM				21.3	104.2	9.29					6.3
P150	PRESUMPSCOT RIVER - R166 - PRW	7/16/2011	7:08 AM	N			24.7	83.7	6.99				Ī	

								**		**				E Coli
				** Sample			Water	D.O.	**	Spec.		Turbid-	**	Bacteria
Organization				Type	* Sample	Depth	Temp	Sat.	D.O.	Cond.	Salinity(ity	TSS	(MPN/
Site Code	VRMP Site ID	Date	Time	Qualifier	Depth	Unit	(DEG C)	(%)	(MG/L)	(US/CM)	PPTH)	(NTU)	(MG/L)	100ML)
P150	PRESUMPSCOT RIVER - R166 - PRW	8/13/2011	6:50 AM	N			23.4	85.7	7.32					5.2
P150	PRESUMPSCOT RIVER - R166 - PRW	8/27/2011	7:01 AM	N			23.2	84.7	7.21					4.1

Appendix A-2. 2011 observational data and quality assurance/quality control (QA/QC) notes for "approved" and "non-approved" sites.

** "N" = normal environmental sample; "D" = field duplicate; "D.O." = dissolved oxygen; "Spec. Cond" = specific conductance; "Turb"= turbidity
Refer to Appendix A-1 for water quality data

				** Sample			_Air							Water	
Organization Site Code	VRMP Site ID	Date	Time	Type Qualifier	Flow	Stage	Temp (° C)	Sample Location	Current Weather	Air Cond ition	Past 24HR Weather	Habitat	Tide Stage	Appear- ance	Comments
Procumposat F	River - Presumpscot F	Divor Watch (Approved	Sitos)											
Presumpscot P	iver - Fresumpscot F	liver water (Approved	Jiles)											
BB010 -															
BAKER BROOK	BAKER BROOK - RP	6/4/2011	6:27 AM	N	BASE FLOW	MEDIU		WADING	CLEAR	CALM	PARTLY CLOUDY	RIFFLE		CLEAR	UNKNOWN WHAT WAS USED TO MEASURE TEMPERATURE. WADEABLE/MID-DEPTH
BROOK	DAKER BROOK - RP	0/4/2011	0.27 AW	IN	FLOW	IVI		WADING	CLOUDY,	CALIVI	PARTLY CLOUDS	KIFFLE		CLEAR	TEMPERATURE. WADEABLE/MID-DEPTH
					BASE				LIGHT		CLOUDY, LIGHT			_	UNKNOWN WHAT WAS USED TO MEASURE
BB010	BAKER BROOK - RP	6/18/2011	6:58 AM	N	FLOW	М		WADING	RAIN	CALM	RAIN	RIFFLE		STAINED	TEMPERATURE. WADEABLE/MID-DEPTH
					BASE	MEDIU					CLEAR, PARTLY CLOUDY,			DARKI Y	UNKNOWN WHAT WAS USED TO MEASURE
BB010	BAKER BROOK - RP	7/2/2011	6:45 AM	N	FLOW			WADING	CLEAR		SHOWERS	RIFFLE			TEMPERATURE. WADEABLE/MID-DEPTH
						MEDIU					CLEAR, PARTLY				UNKNOWN WHAT WAS USED TO MEASURE
BB010	BAKER BROOK - RP	7/16/2011	6:50 AM	N	FLOW	M MEDIU		WADING	CLEAR	CALM	CLOUDY	RIFFLE			TEMPERATURE. WADEABLE/MID-DEPTH UNKNOWN WHAT WAS USED TO MEASURE
BB010	BAKER BROOK - RP	7/30/2011	6:00 AM	N	FLOW			WADING	CLEAR	CALM	HEAVY RAIN	RIFFLE			TEMPERATURE. WADEABLE/MID-DEPTH
						MEDIU								DARKLY	
BB010	BAKER BROOK - RP	8/13/2011	6:45 AM	N	FLOW			WADING	CLEAR		PARTLY CLOUDY	RIFFLE			WADEABLE/MID-DEPTH
DD040	DAKED DDOOK DD	0/07/0044	C.EE AM	N.	BASE FLOW	MEDIU		MADINO	CLEAD	CALM	CLEAD	DIEELE		DARKLY	WADEARI EMID DERTII
BB010	BAKER BROOK - RP	8/27/2011	6:55 AM	IN	FLOW	IVI		WADING	CLEAR	CALM	CLEAR	RIFFLE		STAINED	WADEABLE/MID-DEPTH UNKNOWN HOW WATER TEMPERATURE WAS
BL010 - BLACK					BASE	MEDIU					FOGGY, LIGHT				MEASURED. WADEABLE/MID-DEPTH UNKNOWN HOW
BROOK	BLACK BROOK- RBK	5/21/2011	7:25 AM	N	FLOW	М		WADING	FOGGY	CALM	RAIN	RIFFLE		CLEAR	WATER TEMPERATURE WAS MEASURED.
					BASE	MEDIU									UNKNOWN HOW WATER TEMPERATURE WAS MEASURED. WADEABLE/MID-DEPTH DO CHEMICAL KIT
BL010	BLACK BROOK- RBK	6/4/2011	6:52 AM		FLOW			WADING	CLEAR	CALM	PARTLY CLOUDY	RIFFLE		CLEAR	- DID NOT DO QA/QC CHECK.
520.0	DE TOTAL TREE	0, 1,2011	0.027.	.,	. 2011			***************************************	CLOUDY,	O/ 12.11.	7,11,12,1 02,000,1			0227.11	SIS NOT SO WITHOUT OF SOME
						MEDIU			LIGHT		CLOUDY, LIGHT				UNKNOWN HOW WATER TEMPERATURE WAS
BL010	BLACK BROOK- RBI	6/18/2011	7:25 AM	N	FLOW	М		WADING	RAIN	CALM	RAIN CLEAR, PARTLY	RIFFLE		CLEAR	MEASURED. WADEABLE/MID-DEPTH
					BASE	MEDIU					CLOUDY,				UNKNOWN HOW WATER TEMPERATURE WAS
BL010	BLACK BROOK- RBK	7/2/2011	7:10 AM	N	FLOW	М		WADING	CLEAR	CALM	SHOWERS	RIFFLE		CLEAR	MEASURED. WADEABLE/MID-DEPTH
					BASE				01.545		DARTIN OLOUPY	D.EE. E		0.545	UNKNOWN HOW WATER TEMPERATURE WAS
BL010	BLACK BROOK- RBI	7/16/2011	7:15 AM	N	FLOW	M		WADING	CLEAR		PARTLY CLOUDY	RIFFLE		CLEAR	MEASURED. WADEABLE/MID-DEPTH CONCENTRATION IS ACTUALLY >2419.6. VALUE FOR
															USE IN GEOMETRIC MEAN. UNKNOWN HOW WATER
															TEMPERATURE WAS MEASURED. WADEABLE/MID-
51.040		7/00/0044	0.45.444		STRM				01.545			D.EE. E		T	DEPTH, UNKNOWN HOW WATER TEMPERATURE WAS
BL010	BLACK BROOK- RBI	7/30/2011	6:45 AM	N	FLOW BASE	HIGH MEDIU		WADING	CLEAR	CALM	HEAVY RAIN	RIFFLE		TURBID	MEASURED. WADEABLE/MID-DEPTH
BL010	BLACK BROOK- RBK	8/13/2011	7:05 AM	N	FLOW	M		WADING	CLEAR		PARTLY CLOUDY	RIFFLE		CLEAR	WADEABLE/MID-DEPTH
						MEDIU									
BL010	BLACK BROOK- RB	8/27/2011	7:20 AM	N	FLOW	M		WADING	CLEAR	CALM	CLEAR	RIFFLE		CLEAR	WADEABLE/MID-DEPTH
CW010 - COLLEY									FOGGY,		FOGGY, LIGHT RAIN, MOSTLY				WADEABLE/MID-DEPTH NOT SURE IF SAMPLED FROM
WRIGHT					BASE	MEDIU			LIGHT		CLOUDY,				CENTER OF FLOW-EXTENSION POLE NOT INDICATED
BROOK	COLLEY WRIGHT BE	5/21/2011	7:35 AM	N	FLOW			BANK	RAIN	CALM	SHOWERS	RUN		TURBID	ON DATASHEET
															WATER MOVING VERY SLOW. WADEABLE/1.5 FT
					BASE						CLEAR, PARTLY			MEDILIM	BELOW SURFACE NOT SURE IF SAMPLED FROM CENTER OF FLOW-EXTENSION POLE NOT INDICATED
CW010	COLLEY WRIGHT BE	6/4/2011	8:05 AM	N	FLOW	LOW		BANK	CLEAR	CALM	CLOUDY	RUN			ON DATASHEET
CVVUIU	COLLET WRIGHT BE	0/4/2011	0.US AIVI	IIN	I LOW	LUVV	ļ	DYINK	OLEAR	CALIVI	CLOUDI	INUIN		STAINED	ONDATAGILET

INTS REFACE NOT SURE IF FLOW-EXTENSION POLE ET ABLE/1.5 FT BELOW LED FROM CENTER OF INDICATED ON REFACE NOT SURE IF FLOW-EXTENSION POLE ET REFACE NOT SURE IF FLOW-EXTENSION POLE ET
RFACE NOT SURE IF FLOW-EXTENSION POLE ET ABBLE/1.5 FT BELOW LED FROM CENTER OF INDICATED ON RFACE NOT SURE IF FLOW-EXTENSION POLE ET RFACE NOT SURE IF FLOW-EXTENSION POLE ET
RFACE NOT SURE IF FLOW-EXTENSION POLE ET ABBLE/1.5 FT BELOW LED FROM CENTER OF INDICATED ON RFACE NOT SURE IF FLOW-EXTENSION POLE ET RFACE NOT SURE IF FLOW-EXTENSION POLE ET
ET ABLE/1.5 FT BELOW LED FROM CENTER OF INDICATED ON RFACE NOT SURE IF LOW-EXTENSION POLE ET FRACE NOT SURE IF FLOW-EXTENSION POLE ET COW-EXTENSION POLE ET
ABLE/1.5 FT BELOW LED FROM CENTER OF INDICATED ON RFACE NOT SURE IF FLOW-EXTENSION POLE ET RFACE NOT SURE IF FLOW-EXTENSION POLE ET
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RFACE NOT SURE IF FLOW-EXTENSION POLE
ET.
RFACE NOT SURE IF
FLOW-EXTENSION POLE ET.
RFACE
SAMPLE LOCATION FROM LOW-SHOULD BE BY
.OW-SHOOLD BE BT
INFARED
.5 FT BELOW SURFACE
3:45 AM.
RFACE
URE IF SAMPLED N POLE NOT INDICATED
022
LE LOCATION FROM
LOW- SHOULD BE BY
I POLE TURE IF SAMPLED
N POLE NOT INDICATED
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STANDARD SAMPLE
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				** Sample			Air							Water	
Organization				Type			Temp	Sample	Current	Air Cond			Tide	Appear-	
Site Code	VRMP Site ID	Date	Time	Qualifier	Flow	Stage	(° C)	Location	Weather	ition	Past 24HR Weather	Habitat		ance	Comments
					BASE	MEDIU	, ,							MEDIUM	
DG010	DOUGLAS BROOK -	6/4/2011	6:30 AM	N	FLOW	M		WADING	CLEAR	BREEZE	PARTLY CLOUDY	RIFFLE			WADEABLE/MID-DEPTH
DG010	DOUGLAS BROOK -	6/18/2011	7:00 AM	NI	FLOW	MEDIU		WADING	CLOUDY		CLOUDY	RIFFLE		MEDIUM	WADEABLE/1.5 FT BELOW SURFACE
DG010	DOUGLAS BROOK -	0/10/2011	7.00 AIVI	IN .		MEDIU		WADING	OLOODI		OLOODI	IXII I LL			NON-WADEABLE/MID-DEPTH DO CHEMICAL KIT - DID
DG010	DOUGLAS BROOK -	7/2/2011	7:15 AM	N	FLOW			WADING			CLEAR	RIFFLE			NOT DO QA/QC CHECK.
															NON-WADEABLE/MID-DEPTH NOT SURE IF SAMPLED
DC010	DOLICI AS BROOK	7/16/2011	7:00 414	N	BASE FLOW	1 0 1 1		WADING	CLEAR		CLEAD	RIFFLE			CENTER OF FLOW-EXTENSION POLE NOT INDICATED ON DATASHEET.
DG010	DOUGLAS BROOK -	7/16/2011	7:00 AM	IN	FLOW	LOW		WADING	CLEAR		CLEAR	KIFFLE		STAINED	CONCENTRATION IS ACTUALLY >2419.6. VALUE FOR
															USE IN GEOMETRIC MEAN. WADEABLE/MID-DEPTH DO
															CHEMICAL KIT - DID NOT DO QA/QC CHECK.,
DC010	DOLICI AS BROOK	7/20/2011	7:15 000	N	BASE FLOW	шсп	21.1	WADING	PARTLY CLOUDY	CALM	LIGHT RAIN	RIFFLE			WADEABLE/MID-DEPTH DO CHEMICAL KIT - DID NOT DO QA/QC CHECK.
DG010	DOUGLAS BROOK -	7/30/2011	7:15 AM	IN	BASE	півп	21.1	WADING	CLOUDT	CALIVI	LIGHT RAIN	KIFFLE		MEDIUM	DO QA/QC CHECK.
DG010	DOUGLAS BROOK -	8/27/2011	7:15 AM	N	FLOW	LOW		WADING			CLEAR	RIFFLE			NON-WADEABLE/MID-DEPTH
											FOGGY, LIGHT				
IN010 -					5405				FOGGY,		RAIN, MOSTLY				
INKHORN BROOK	INKHORN BROOK -	5/21/2011	7:20 AM	N	BASE FLOW	HIGH		BANK	LIGHT RAIN	CALM	CLOUDY, SHOWERS	RUN		TURBID	WADEABLE/1.5 FT BELOW SURFACE
BROOK	INKLIOKI BROOK -	3/21/2011	7.20 AIVI	IN .		MEDIU		DAINIC	TOTALL	OALW	CLEAR, PARTLY	IXOIV			WATER MOVING VERY SLOW. WADEABLE/1.5 FT
IN010	INKHORN BROOK -	6/4/2011	7:50 AM	N	FLOW	M		BANK	CLEAR	CALM	CLOUDY	RUN			BELOW SURFACE
						MEDIU		5444	OL OLIBY		OLIOWEDO			MEDIUM	WAREARI EW E ET RELOW OUREA OF
IN010	INKHORN BROOK -	6/18/2011	7:40 AM	N	FLOW	M		BANK	CLOUDY CLEAR,		SHOWERS	RUN		STAINED	WADEABLE/1.5 FT BELOW SURFACE
					BASE	MEDIU			PARTLY					DARKLY	WATER NOT MOVING. WADEABLE/1.5 FT BELOW
IN010	INKHORN BROOK -	7/2/2011	8:00 AM	N		M		BANK	CLOUDY		LIGHT RAIN	RUN			SURFACE
						MEDIU								DARKLY	
IN010	INKHORN BROOK -	7/16/2011	8:05 AM	N	FLOW	М		BANK	CLEAR		CLEAR	RUN		STAINED	WADEABLE/1.5 FT BELOW SURFACE
					STRM				MOSTLY					MEDIUM	CONCENTRATION IS ACTUALLY >2419.6. VALUE FOR USE IN GEOMETRIC MEAN. WADEABLE/1.5 FT BELOW
IN010	INKHORN BROOK -	7/30/2011	7:40 AM	N	FLOW	HIGH		BANK	CLOUDY		HEAVY RAIN	RUN			SURFACE, WADEABLE/1.5 FT BELOW SURFACE
			-												CONCENTRATION IS ACTUALLY >2419.6. VALUE FOR
	IN II (I O DN I DD O O I	7/00/0044	- 40 44					D 4 4 11 /							USE IN GEOMETRIC MEAN. WADEABLE/1.5 FT BELOW
IN010	INKHORN BROOK -	7/30/2011	7:40 AM	D				BANK	CLEAR,						SURFACE
					BASE				PARTLY		CLEAR, PARTLY				
IN010	INKHORN BROOK -	8/13/2011	7:50 AM	N	FLOW	LOW		BANK	CLOUDY		CLOUDY	RUN		TURBID	WADEABLE/1.5 FT BELOW SURFACE
									MOSTLY						
					BASE				CLOUDY, PARTLY		CLEAR, PARTLY				
IN010	INKHORN BROOK -	8/27/2011	7:37 AM	N	FLOW	LOW		BANK	CLOUDY		CLOUDY	RUN		TURBID	WADEABLE/1.5 FT BELOW SURFACE
															NON-WADEABLE/3 FT BELOW SURFACE DO ACIDIFIED
1,000 1,1771.5					DACE	MEDILI					FOCOV LIGHT			MEDILIM	IN LAB AT 9:20 AM, SAMPLE LOCATION FROM BANK
L020 - LITTLE RIVER	LITTLE RIVER - RLT	5/21/2011	7:15 AM	N	BASE FLOW	MEDIU M		BANK	FOGGY		FOGGY, LIGHT RAIN	RUN			AND NOT CENTER OF FLOW-SHOULD BE BY WADING OR EXTENSION POLE
KIVEK	LITTLE KIVEK - KET	3/21/2011	7.10 AW	18	LOW	IVI		DAINIC	10001		TOTAL	IXOIV		OTAINED	NON-WADEABLE/MID-DEPTH SAMPLE LOCATION FROM
						MEDIU									BANK AND NOT CENTER OF FLOW-SHOULD BE BY
L020	LITTLE RIVER - RLT	6/4/2011	7:10 AM	N	FLOW	M		BANK	CLEAR	BREEZE	PARTLY CLOUDY	RUN		STAINED	WADING OR WITH EXTENSION POLE
															WATER HAD SOME FOAM. WADEABLE/1.5 FT BELOW SURFACE SAMPLE LOCATION FROM BANK AND NOT
					BASE	MEDIU								MEDIUM	CENTER OF FLOW-SHOULD BE BY WADING OR WITH
L020	LITTLE RIVER - RLT	6/18/2011	7:25 AM	N	FLOW			BANK	CLOUDY		CLOUDY	RUN		STAINED	EXTENSION POLE
															NON-WADEABLE/MID-DEPTH DO CHEMICAL KIT - DID
					BASE	MEDILI								MEDIUM	NOT DO QA/QC CHECK, SAMPLE LOCATION FROM BANK AND NOT CENTER OF FLOW-SHOULD BE BY
L020	LITTLE RIVER - RLT	7/2/2011	7:40 AM	N	FLOW			BANK			CLEAR	RIFFLE			WADING OR EXTENSION POLE.
•				•		•	•		•						·

				** Sample			Air							Water	
Organization				Type			Temp	Sample	Current	Air Cond			Tide	Appear-	
Site Code	VRMP Site ID	Date	Time	Qualifier	Flow	Stage	(° C)	Location	Weather	ition	Past 24HR Weather	Habitat	Stage	ance	Comments
															NON-WADEABLE/MID-DEPTH SAMPLE LOCATION FROM
					BASE										BANK AND NOT CENTER OF FLOW- SHOULD BE BY
L020	LITTLE RIVER - RLT	7/16/2011	7:25 AM	N	FLOW	LOW		BANK	CLEAR		CLEAR	RIFFLE			WADING OR WITH EXTENSION POLE
1.000	LITTLE DIVER DIT	7/00/0044	7.45.004		BASE		24.4	MADINO	PARTLY	CALM	LICUT DAIN	DIEELE			WADEABLE/1.5 FT BELOW SURFACE DO CHEMICAL KIT
L020	LITTLE RIVER - RLT	7/30/2011	7:45 AM	N	FLOW	HIGH	21.1	WADING	CLOUDY	CALM	LIGHT RAIN	RIFFLE		STAINED	- DID NOT DO QA/QC CHECK. L020 POSTED AS PRIVATE PROPERTY NON-
															WADEABLE/MID-DEPTH SAMPLE LOCATION FROM
					BASE									MEDIUM	BANK AND NOT CENTER OF FLOW-SHOULD BE BY
L020	LITTLE RIVER - RLT	8/27/2011	7:55 AM	N	FLOW	LOW		BANK			CLEAR	RIFFLE			WADING OR WITH EXTENSION POLE.
L050 - LITTLE		-				MEDIU					FOGGY, LIGHT			DARKLY	
RIVER	LITTLE RIVER-L050-	5/21/2011	8:30 AM	N	FLOW	M	10.6	WADING	FOGGY	CALM	RAIN	RUN			WADEABLE/1.5 FT BELOW SURFACE
						MEDIU								MEDIUM	
L050	LITTLE RIVER-L050-	6/4/2011	7:35 AM	N	FLOW	M		WADING	CLEAR	BREEZE	CLOUDY	RUN		STAINED	WADEABLE/MID-DEPTH
											CLEAR, LIGHT				
					DVCE	MEDIU			PARTLY		RAIN, PARTLY CLOUDY,			MEDIUM	
L050	LITTLE RIVER-L050-	6/18/2011	6:35 AM	N	FLOW		16 1	WADING	CLOUDY	CALM	SHOWERS	RIFFLE			WADEABLE/MID-DEPTH
L030	LITTLE KIVEK-LOSO-	0/10/2011	0.33 AW	IN		MEDIU	10.1	WADING	OLOODI	OALW	HEAVY RAIN,	IXIIII		MEDIUM	WADEADEE/MID-DEI 111
L050	LITTLE RIVER-L050-	7/2/2011	7:55 AM	N	FLOW		16.7	WADING	CLEAR	CALM	PARTLY CLOUDY	RIFFLE			WADEABLE/MID-DEPTH
						MEDIU								MEDIUM	
L050	LITTLE RIVER-L050-	7/16/2011	6:40 AM	N	FLOW	M	16.1	WADING	CLEAR	CALM	CLEAR	RUN		STAINED	WADEABLE/MID-DEPTH
															1.5" RAIN FELL LAST NIGHT. WADEABLE/MID-DEPTH,
					STRM						CLOUDY HEAVY				CONCENTRATION IS ACTUALLY >2419.6. VALUE FOR
L050	LITTLE RIVER-L050-	7/30/2011	6:40 AM	N	FLOW	шсп	21.1	WADING	CLOUDY	CALM	CLOUDY, HEAVY RAIN	RIFFLE		MILKY	USE IN GEOMETRIC MEAN. 1.5" RAIN FELL LAST NIGHT. WADEABLE/MID-DEPTH
L030	LITTLE RIVER-LUSU-	7/30/2011	0.40 AIVI	IN		MEDIU	21.1	WADING	CLOODT	CALIVI	MAIN	KIFFLE		IVIILIXI	WADEABLE/MID-DEFTTI
L050	LITTLE RIVER-L050-	8/13/2011	6:30 AM	N	FLOW	M	14.4	WADING	CLEAR	CALM	CLEAR	RIFFLE		CLEAR	WADEABLE/MID-DEPTH
					BASE	MEDIU								MEDIUM	
L050	LITTLE RIVER-L050-	8/27/2011	6:40 AM	N	FLOW	M	18.3	WADING	CLOUDY	CALM	CLEAR	RIFFLE		STAINED	WADEABLE/MID-DEPTH
M010 - MILL					STRM						FOGGY, LIGHT				
BROOK	MILL BROOK - RML0	5/21/2011	7:31 AM	N	FLOW	HIGH		WADING	FOGGY	CALM	RAIN	RUN		TURBID	WADEABLE/MID-DEPTH
						MEDIU								MEDIUM	
M010	MILL BROOK - RML0	6/4/2011	8:14 AM	N	FLOW		10.0	CULVERT	CLEAR	BREEZE	CLEAR	RIFFLE		STAINED	NON-WADEABLE/MID-DEPTH
14040	MILL BROOK BALLS	0/40/0044	7.00 414		FLOW	MEDIU	45.0	MADINO	CLOUDY	CALAA	CLOUDY	DUN		TURBID	WADEABLE/MID-DEPTH
M010	MILL BROOK - RML0	6/18/2011	7:00 AM	N	FLOW	IVI	15.0	WADING	CLOUDY	CALM	CLOODY	RUN		TURBID	CONCENTRATION IS ACTUALLY >2419.6. VALUE FOR
					BASE	MEDIU								MEDIUM	USE IN GEOMETRIC MEAN. WADEABLE/MID-DEPTH,
M010	MILL BROOK - RMLO	7/2/2011	7:20 AM	N	FLOW		17.8	WADING	CLEAR	CALM	CLEAR	RIFFLE			WADEABLE/MID-DEPTH
					BASE	MEDIU								MEDIUM	
M010	MILL BROOK - RMLO	7/16/2011	6:40 AM	N	FLOW	M		WADING	CLEAR	CALM	CLEAR	RUN		STAINED	WADEABLE/MID-DEPTH
											HEAVY RAIN,				CONCENTRATION IS ACTUALLY >2419.6. VALUE FOR
					STRM						MOSTLY CLOUDY,				USE IN GEOMETRIC MEAN. WADEABLE/MID-DEPTH,
M010	MILL BROOK - RML0	7/30/2011	7:10 AM	N	FLOW			CULVERT		CALM	SHOWERS	RUN		TURBID	WADEABLE/MID-DEPTH
M030 - MILL BROOK	MILL BROOK - RML6	6/18/2011	7:15 014	N	FLOW	MEDIU	15.6	WADING	CLOUDY, FOGGY	CALM	CLOUDY, HEAVY RAIN	RIFFLE		CLEAR	WADEABLE/1.5 FT BELOW SURFACE
BROOK	WILL BROOK - RIVILO	0/10/2011	7:15 AM	IN	FLOW	IVI	15.0	WADING	FUGGT	CALM	CLEAR, LIGHT	KIFFLE		CLEAR	NON-WADEABLE/MID-DEPTH SAMPLE LOCATION FROM
					BASE	MEDIU					RAIN, PARTLY				BANK AND NOT CENTER OF FLOW- SHOULD BE BY
M030	MILL BROOK - RML6	7/2/2011	6:50 AM	N	FLOW			BANK	CLEAR	CALM	CLOUDY	RUN		CLEAR	WADING
															WADEABLE/MID-DEPTH SAMPLE LOCATION FROM
						MEDIU					CLEAR, PARTLY				BANK AND NOT CENTER OF FLOW-SHOULD BE BY
M030	MILL BROOK - RML6	7/16/2011	6:50 AM	N	FLOW			WADING	CLEAR	CALM	CLOUDY	RIFFLE		CLEAR	WADING.
						MEDIU				L	CLEAR, PARTLY	L			
M030	MILL BROOK - RML6	8/13/2011	6:50 AM	N	FLOW	М		WADING	CLEAR	CALM	CLOUDY	RIFFLE		CLEAR	WADEABLE/MID-DEPTH
NO40 NACCH					DAGE				FOGGY,		CLOUDY, FOGGY,			MEDULA	WATER TEMPERATURE MEASURED WITH INFARED
N010 - NASON BROOK	NIV SONI BBOOK BY	E/24/2044	6.20 444	N	BASE FLOW	шсн	10.0	MADING	PARTLY CLOUDY	CALM	LIGHT RAIN, SHOWERS	DLIN			THERMOMETER. WADEABLE/1.5 FT BELOW SURFACE
DKUUK	NASON BROOK - RN	5/21/2011	6:30 AM	IN	FLUVV	пібп	12.2	WADING	CLOUDY	CALM	SHOWERS	RUN		STAINED	DO ACIDIFIED IN LAB AT 8:45 AM.

				** Sample			Air							Water	
Organization				Type			Temp	Sample	Current	Air Cond			Tide	Appear-	
Site Code	VRMP Site ID	Date	Time	Qualifier	Flow	Stage	(° C)	Location	Weather	ition	Past 24HR Weather	Habitat	Stage	ance	Comments
					BASE										
N010	NASON BROOK - RN	6/4/2011	6:08 AM		FLOW	LOW	8.3	CULVERT	CLEAR		CLOUDY	RUN		CLEAR	WADEABLE/1.5 FT BELOW SURFACE
N010	NASON BROOK - RN	6/18/2011	6:02 AM		BASE FLOW	MEDIU M	16 1	CULVERT	FOGGY		CLOUDY, FOGGY, LIGHT RAIN	RUN		MEDIUM	WADEABLE/MID-DEPTH
NOTO	NASON BROOK - KI	0/10/2011	0.02 AIVI	IN	ILOW	IVI	10.1	COLVLINI	10001		LIGITI IVAIN	IXOIN		STAINED	WADEABLE/MID-DEPTH NOT SURE IF SAMPLED
					BASE	MEDIU								MEDIUM	CENTER OF FLOW-EXTENSION POLE NOT INDICATED
N010	NASON BROOK - RN	7/16/2011	6:14 AM	N	FLOW	M	14.4	BANK	CLEAR	CALM	CLOUDY	RUN		STAINED	ON DATASHEET.
									LIGHT RAIN,		LIGHT RAIN,				CONCENTRATION IS ACTUALLY >2419.6. VALUE FOR
					BASE				MOSTLY		MOSTLY CLOUDY,			MEDIUM	
N010	NASON BROOK - RN	7/30/2011	6:20 AM		FLOW	HIGH	20.0	CULVERT	CLOUDY	CALM	SHOWERS	RUN		_	WADEABLE/MID-DEPTH
									CLEAR,						
NO40	NIA CON PROCK DA	0/40/0044	0.44 414		BASE	MEDIU	40.0	OLUL VEDT	PARTLY		CLEAR, PARTLY	DUN		MILLOY	WADEARI EMUR DERTU
N010	NASON BROOK - RN	8/13/2011	6:41 AM		FLOW BASE	М	12.8	CULVERT	CLOUDY		CLOUDY	RUN		MILKY	WADEABLE/MID-DEPTH CULVERT AT NASON BROOK BLOCK WITH BEAVER
N010	NASON BROOK - RN	8/27/2011	7:05 AM		FLOW	HIGH	14 4	CULVERT			CLOUDY	RUN			IDAM WADEABLE/MID-DEPTH
OB010 -	TWOON BROOK THE	0/2//2011	7.007401		1 2011	111011		OOLVEIN	FOGGY,		CLOUDY, FOGGY,	IXOIX		OTTUITED	WATER TEMPERATURE MEASURE WITH INFARED
OTTER					BASE				PARTLY		LIGHT RAIN,				THERMOMETER. WADEABLE/1.5 FT BELOW SURFACE
BROOK	OTTER BROOK - RO	5/21/2011	5:33 AM		FLOW		12.2	CULVERT	CLOUDY	CALM	SHOWERS	RUN		CLEAR	DO ACIDIFIED IN THE LAB AT 8:45 AM.
OD040	OTTED BROOK BO	0/4/0044	F.42 AM		_	MEDIU	0.0	CHIVEDT	CLEAD		CI OUDV	DUN		CLEAD	WADEARI EWAS ET RELOW CUREACE
OB010	OTTER BROOK - RO	6/4/2011	5:13 AM	IN	FLOW	IVI	8.3	CULVERT	CLEAR		CLOUDY CLOUDY, FOGGY,	RUN		CLEAR	WADEABLE/1.5 FT BELOW SURFACE
OB010	OTTER BROOK - RO	6/18/2011	5:08 AM	N			16.1	CULVERT	FOGGY		LIGHT RAIN				WADEABLE/MID-DEPTH
					BASE										
OB010	OTTER BROOK - RO	7/16/2011	5:15 AM	N	FLOW	LOW	14.4	CULVERT	CLEAR	CALM	CLOUDY	RUN		CLEAR	NON-WADEABLE/MID-DEPTH
									MOSTLY		LIGHT RAIN,				
OD040	OTTED DDOOK DO	7/20/2014	E-00 AM		BASE	111011	20.0	CHIVEDT	CLOUDY,	CALM	MOSTLY CLOUDY,	DUN		CLEAD	MADEARI E/MID DEDTU
OB010	OTTER BROOK - RO	7/30/2011	5:28 AM	IN	FLOW	HIGH	20.0	CULVERT	SHOWER CLEAR.	CALIVI	SHOWERS	RUN		CLEAR	WADEABLE/MID-DEPTH
					BASE	MEDIU			PARTLY		CLEAR, PARTLY				
OB010	OTTER BROOK - RO	8/13/2011	5:43 AM		FLOW		15.0	WADING	CLOUDY		CLOUDY	RUN		CLEAR	WADEABLE/MID-DEPTH
									FOGGY,						
OD040	OTTED BROOK BO	0/07/0044	C-04 ANA			MEDIU	44.4	CHIVEDT	PARTLY		DARTI V CI OURV	DUN		CLEAD	MADEARI E/MID DEDTU
OB010 P020 -	OTTER BROOK - RO	8/27/2011	6:21 AM	IN	FLOW	IVI	14.4	CULVERT	CLOUDY		PARTLY CLOUDY	RUN		CLEAR	WADEABLE/MID-DEPTH
PRESUMPSC					STRM						FOGGY, LIGHT				
OT RIVER	PRESUMPSCOT RIV	5/21/2011	6:55 AM		FLOW	HIGH		BRIDGE	FOGGY	CALM	RAIN	RUN		TURBID	NON-WADEABLE/3 FT BELOW SURFACE
P020	PRESUMPSCOT RIV	5/21/2011	6:55 AM					BRIDGE							NON-WADEABLE/3 FT BELOW SURFACE
P020	PRESUMPSCOT RIV	5/21/2011	6:55 AM					BRIDGE							NON-WADEABLE/3 FT BELOW SURFACE
P020 P020	PRESUMPSCOT RIV	5/21/2011	6:55 AM					BRIDGE BRIDGE							NON-WADEABLE/3 FT BELOW SURFACE NON-WADEABLE/3 FT BELOW SURFACE
P020	PRESUMPSCOT RIV	5/21/2011	6:55 AM	IN				BRIDGE							NON-WADEABLE/MID-DEPTH PROFILE DEPTHS
					BASE	MEDIU								MEDIUM	QUESTIONABLE DUE TO STRONG CURRENT, PROBE
P020	PRESUMPSCOT RIV	6/4/2011	7:24 AM		FLOW			BRIDGE	CLEAR	BREEZE	CLEAR	RUN			DIDN'T SINK TO PROPER DEPTHS.
															NON-WADEABLE/MID-DEPTH PROFILE DEPTHS
D000	DDECLUADOCOT DU	0/4/0044	- 04444	l I				DDID 05							QUESTIONABLE DUE TO STRONG CURRENT, PROBE
P020	PRESUMPSCOT RIV	6/4/2011	7:24 AM	N				BRIDGE							DIDN'T SINK TO PROPER DEPTHS. NON-WADEABLE/MID-DEPTH PROFILE DEPTHS
															QUESTIONABLE DUE TO STRONG CURRENT, PROBE
P020	PRESUMPSCOT RIV	6/4/2011	7:24 AM	N				BRIDGE							DIDN'T SINK TO PROPER DEPTHS.
															NON-WADEABLE/MID-DEPTH PROFILE DEPTHS
	DDE01 # 450005 = ::	01.1.		[DDIDGE							QUESTIONABLE DUE TO STRONG CURRENT, PROBE
P020	PRESUMPSCOT RIV	6/4/2011	7:24 AM	N				BRIDGE							DIDN'T SINK TO PROPER DEPTHS. NON-WADEABLE/MID-DEPTH PROFILE DEPTHS
															QUESTIONABLE DUE TO STRONG CURRENT, PROBE
P020	PRESUMPSCOT RIV	6/4/2011	7:24 AM	N				BRIDGE							DIDN'T SINK TO PROPER DEPTHS.
											•			ı	

				** Sample			Air							Water	
Organization				Type			Temp	Sample	Current	Air Cond			Tide	Appear-	
Site Code	VRMP Site ID	Date	Time	Qualifier	Flow	Stage	(° C)	Location	Weather	ition	Past 24HR Weather	Hahitat	Stage	ance	Comments
One ocue	VICINI ORO ID	Duto	111110	Quannon	11011	Otago	(0)	Location	Wouther	111011	T dot 2-First Froudilor	Habitat	Olago	unoo	NON-WADEABLE/MID-DEPTH PROFILE DEPTHS
															QUESTIONABLE DUE TO STRONG CURRENT, PROBE
P020	PRESUMPSCOT RIV	6/4/2011	7:24 AM	N				BRIDGE							DIDN'T SINK TO PROPER DEPTHS.
. 020		0, ,,20						5. 115 02							NON-WADEABLE/MID-DEPTH PROFILE DEPTHS
															QUESTIONABLE DUE TO STRONG CURRENT, PROBE
P020	PRESUMPSCOT RIV	6/4/2011	7:24 AM	N				BRIDGE							DIDN'T SINK TO PROPER DEPTHS.
1 020	T TEOONII COOT TUV	0/ 1/2011	7.2174		BASE	MEDIU		BITTE							BIBIT FORMS TO FINOLESS BEFORE.
P020	PRESUMPSCOT RIV	6/18/2011	6:30 AM	N	FLOW		15.6	BRIDGE	CLOUDY	CALM	CLOUDY	RUN		TURBID	NON-WADEABLE/MID-DEPTH
P020	PRESUMPSCOT RIV	6/18/2011	6:30 AM		ILOW	IVI	10.0	BRIDGE	OLCODI	OALIVI	OLOODI	IXOIN		TORDID	NON-WADEABLE/MID-DEPTH
P020	PRESUMPSCOT RIV	6/18/2011	6:30 AM					BRIDGE							NON-WADEABLE/MID-DEPTH
P020	PRESUMPSCOT RIV	6/18/2011	6:30 AM					BRIDGE							NON-WADEABLE/MID-DEPTH
P020	PRESUMPSCOT RIV	6/18/2011	6:30 AM					BRIDGE							NON-WADEABLE/MID-DEPTH
F020	FRESUMFSCOT KIV	0/10/2011	0.30 AIVI	IN				BRIDGE	1						NO STRATIFICATION. BOTTOM <3 M. PROBE DIDN'T
					DACE	MEDIU								MEDIUM	GET CARRIED MUCH, PROFILE DEPTHS PRETTY
D000	DDECLIMBECOT DIV	7/0/0044	C-20 ANA	N.	FLOW		17.0	BRIDGE	CLEAR	CALM	CLEAR	RUN		STAINED	ACCURATE. NON-WADEABLE/MID-DEPTH
P020	PRESUMPSCOT RIV	7/2/2011	6:30 AM	IN	FLOW	IVI	17.0	BRIDGE	CLEAR	CALIVI	CLEAR	KUN		STAINED	
															NO STRATIFICATION. BOTTOM <3 M. PROBE DIDN'T
D000	DDEOLIMBOOOT DI	7/0/0044	0.00 414					DDIDOE							GET CARRIED MUCH, PROFILE DEPTHS PRETTY
P020	PRESUMPSCOT RIV	7/2/2011	6:30 AM	N				BRIDGE							ACCURATE. NON-WADEABLE/MID-DEPTH
															NO STRATIFICATION. BOTTOM <3 M. PROBE DIDN'T
D000	DDEOUNDOOF DI	7/0/0044						DDID 05							GET CARRIED MUCH, PROFILE DEPTHS PRETTY
P020	PRESUMPSCOT RIV	7/2/2011	6:30 AM	N				BRIDGE							ACCURATE. NON-WADEABLE/MID-DEPTH
															NO STRATIFICATION. BOTTOM <3 M. PROBE DIDN'T
D000	DDEOUNDOOF DI	7/0/0044						DDID 05							GET CARRIED MUCH, PROFILE DEPTHS PRETTY
P020	PRESUMPSCOT RIV	7/2/2011	6:30 AM	N				BRIDGE							ACCURATE. NON-WADEABLE/MID-DEPTH
					BASE									MEDIUM	
P020	PRESUMPSCOT RIV	7/16/2011	6:10 AM		FLOW	LOW		BRIDGE	CLEAR	CALM	CLEAR	RUN		STAINED	NON-WADEABLE/MID-DEPTH
P020	PRESUMPSCOT RIV	7/16/2011	6:10 AM					BRIDGE							NON-WADEABLE/MID-DEPTH
P020	PRESUMPSCOT RIV	7/16/2011	6:10 AM					BRIDGE							NON-WADEABLE/MID-DEPTH
P020	PRESUMPSCOT RIV	7/16/2011	6:10 AM					BRIDGE							NON-WADEABLE/MID-DEPTH
P020	PRESUMPSCOT RIV	7/16/2011	6:10 AM	N				BRIDGE							NON-WADEABLE/MID-DEPTH
															CONCENTRATION IS ACTUALLY >2419.6. VALUE FOR
					0.7.014						HEAVY RAIN,				USE IN GEOMETRIC MEAN. SLIGHT ODOR NON-
D000	DDEGUMBOOOT DI	7/00/0044				MEDIU		5515.05	OL OLIDA		MOSTLY CLOUDY,	D			WADEABLE/MID-DEPTH, SLIGHT ODOR NON-
P020	PRESUMPSCOT RIV	7/30/2011	6:20 AM		FLOW	M		BRIDGE	CLOUDY	CALM	SHOWERS	RUN		STAINED	WADEABLE/MID-DEPTH
P020	PRESUMPSCOT RIV	7/30/2011	6:20 AM					BRIDGE							SLIGHT ODOR NON-WADEABLE/MID-DEPTH
P020	PRESUMPSCOT RIV	7/30/2011	6:20 AM					BRIDGE							SLIGHT ODOR NON-WADEABLE/MID-DEPTH
P020	PRESUMPSCOT RIV	7/30/2011	6:20 AM					BRIDGE							SLIGHT ODOR NON-WADEABLE/MID-DEPTH
P020	PRESUMPSCOT RIV	7/30/2011	6:20 AM	N				BRIDGE							SLIGHT ODOR NON-WADEABLE/MID-DEPTH
D000	DDE011453335 - ::			.	BASE			DDID ==	0.5:-		0.545	L		MEDIUM	ENDIN LOWER ON OLONG ::===::=
P020	PRESUMPSCOT RIV	8/13/2011	7:15 AM		FLOW	LOW	21.1	BRIDGE	CLEAR	CALM	CLEAR	RUN		STAINED	FAIRLY LOW FLOW, SLOW CURRENT
P020	PRESUMPSCOT RIV	8/13/2011	7:15 AM					BRIDGE							FAIRLY LOW FLOW, SLOW CURRENT
P020	PRESUMPSCOT RIV	8/13/2011	7:15 AM					BRIDGE	1			ļ		ļ	FAIRLY LOW FLOW, SLOW CURRENT
P020	PRESUMPSCOT RIV	8/13/2011	7:15 AM	N	DAGE			BRIDGE						MEDUL	FAIRLY LOW FLOW, SLOW CURRENT
D000	DDE01 #4D000= = ::	0/07/00 : :	= 40	.	BASE			DDID 05	01.545		0.545	L		MEDIUM	
P020	PRESUMPSCOT RIV	8/27/2011	7:10 AM		FLOW	LOW	21.1	BRIDGE	CLEAR	CALM	CLEAR	RUN		STAINED	
P020	PRESUMPSCOT RIV	8/27/2011	7:10 AM					BRIDGE							
P020	PRESUMPSCOT RIV	8/27/2011	7:10 AM					BRIDGE							
P020	PRESUMPSCOT RIV	8/27/2011	7:10 AM	N				BRIDGE							
P030 -															
PRESUMPSC					STRM	MEDIU					FOGGY, LIGHT				
OT RIVER	PRESUMPSCOT RIV	5/21/2011	7:19 AM	N	FLOW			BRIDGE	FOGGY	CALM	RAIN	RUN		TURBID	NON-WADEABLE/3 FT BELOW SURFACE
P030	PRESUMPSCOT RIV	5/21/2011	7:19 AM	N				BRIDGE							NON-WADEABLE/3 FT BELOW SURFACE
P030	PRESUMPSCOT RIV	5/21/2011	7:19 AM	N				BRIDGE							NON-WADEABLE/3 FT BELOW SURFACE
P030	PRESUMPSCOT RIV	5/21/2011	7:19 AM	N				BRIDGE							NON-WADEABLE/3 FT BELOW SURFACE
P030	PRESUMPSCOT RIV	5/21/2011	7:19 AM	N				BRIDGE							NON-WADEABLE/3 FT BELOW SURFACE

		1													
				** 01-										10/	
Organization				** Sample			Air	Sample	Current	Air Cond			Tide	Water	
Site Code	VRMP Site ID	Date	Time	Type Qualifier	Flow	Stage	Temp (° C)	Location	Weather	ition	Past 24HR Weather	Habitat	Stage	Appear- ance	Comments
Site Code	VRIVIE SITE ID	Date	Hille	Qualifier	FIOW	Stage	(0)	LUCALIUII	vveatilei	ILIOII	Fast 24ffk Weather	Паріцац	Stage	ance	NON-WADEABLE/MID-DEPTH PROFILE DEPTHS
					BASE	MEDIU								MEDIUM	QUESTIONABLE DUE TO STRONG CURRENT, PROBE
P030	PRESUMPSCOT RIV	6/4/2011	8:01 AM	N	FLOW			BRIDGE	CLEAR	BREEZE	CLEAR	RUN			DIDN'T SINK TO PROPER DEPTHS.
. 555		0/ 1/2011	0.01744					5. 115 02	OLL, III	DITELL	0227.11			017111122	NON-WADEABLE/MID-DEPTH PROFILE DEPTHS
															QUESTIONABLE DUE TO STRONG CURRENT, PROBE
P030	PRESUMPSCOT RIV	6/4/2011	8:01 AM	N				BRIDGE							DIDN'T SINK TO PROPER DEPTHS.
															NON-WADEABLE/MID-DEPTH PROFILE DEPTHS
															QUESTIONABLE DUE TO STRONG CURRENT, PROBE
P030	PRESUMPSCOT RIV	6/4/2011	8:01 AM	N				BRIDGE							DIDN'T SINK TO PROPER DEPTHS.
															NON-WADEABLE/MID-DEPTH PROFILE DEPTHS
															QUESTIONABLE DUE TO STRONG CURRENT, PROBE
P030	PRESUMPSCOT RIV	6/4/2011	8:01 AM	N				BRIDGE							DIDN'T SINK TO PROPER DEPTHS.
															NON-WADEABLE/MID-DEPTH PROFILE DEPTHS
															QUESTIONABLE DUE TO STRONG CURRENT, PROBE
P030	PRESUMPSCOT RIV	6/4/2011	8:01 AM	N				BRIDGE							DIDN'T SINK TO PROPER DEPTHS.
															NON-WADEABLE/MID-DEPTH PROFILE DEPTHS
				_				5515.05							QUESTIONABLE DUE TO STRONG CURRENT, PROBE
P030	PRESUMPSCOT RIV	6/4/2011	8:01 AM	D				BRIDGE							DIDN'T SINK TO PROPER DEPTHS.
						MEDIU	4= 0	5515.05	OL OLIDY	04144	OL OLIDA	D		TURRIR	NON WAREARI EAND DERTH
	PRESUMPSCOT RIV	6/18/2011	6:45 AM		FLOW	M	15.6	BRIDGE	CLOUDY	CALM	CLOUDY	RUN		TURBID	NON-WADEABLE/MID-DEPTH
P030	PRESUMPSCOT RIV	6/18/2011	6:45 AM					BRIDGE							NON-WADEABLE/MID-DEPTH
	PRESUMPSCOT RIV	6/18/2011	6:45 AM 6:45 AM					BRIDGE							NON-WADEABLE/MID-DEPTH
P030	PRESUMPSCOT RIV	6/18/2011						BRIDGE BRIDGE							NON-WADEABLE/MID-DEPTH NON-WADEABLE/MID-DEPTH
P030	PRESUMPSCOT RIV	6/18/2011	6:45 AM	IN				BRIDGE							PROBE CARRIED BY CURRENT QUITE A BIT SO
															PROFILE DEPTHS NOT VERY ACCURATE, THOUGH
					BASE	MEDIU								MEDITIM	MEASUREMENTS WERE MADE TO BOTTOM (WHICH
P030	PRESUMPSCOT RIV	7/2/2011	6:55 AM	N	FLOW			BRIDGE	CLEAR	CALM	CLEAR	RUN			WAS LIKELY <3M). NON-WADEABLE/MID-DEPTH
1 030	T INESONII SCOT INIV	11212011	0.55 AW	IN	LOW	IVI		BINIDOL	OLLAIN	OALIVI	OLLAIN	IXOIV		OTAINED	PROBE CARRIED BY CURRENT QUITE A BIT SO
															PROFILE DEPTHS NOT VERY ACCURATE. THOUGH
															MEASUREMENTS WERE MADE TO BOTTOM (WHICH
P030	PRESUMPSCOT RIV	7/2/2011	6:55 AM	N				BRIDGE							WAS LIKELY <3M). NON-WADEABLE/MID-DEPTH
		-													PROBE CARRIED BY CURRENT QUITE A BIT SO
															PROFILE DEPTHS NOT VERY ACCURATE, THOUGH
															MEASUREMENTS WERE MADE TO BOTTOM (WHICH
P030	PRESUMPSCOT RIV	7/2/2011	6:55 AM	N				BRIDGE							WAS LIKELY <3M). NON-WADEABLE/MID-DEPTH
															PROBE CARRIED BY CURRENT QUITE A BIT SO
															PROFILE DEPTHS NOT VERY ACCURATE, THOUGH
															MEASUREMENTS WERE MADE TO BOTTOM (WHICH
P030	PRESUMPSCOT RIV	7/2/2011	6:55 AM	N				BRIDGE							WAS LIKELY <3M). NON-WADEABLE/MID-DEPTH
															PROBE CARRIED BY CURRENT QUITE A BIT SO
															PROFILE DEPTHS NOT VERY ACCURATE, THOUGH
DOGO	DDECLIMBECOT DIV	7/0/0044	C.EE ANA	N.				DDIDGE							MEASUREMENTS WERE MADE TO BOTTOM (WHICH
P030	PRESUMPSCOT RIV	7/2/2011	6:55 AM	IN	DACE			BRIDGE						MEDIUM	WAS LIKELY <3M). NON-WADEABLE/MID-DEPTH
P030	PRESUMPSCOT RIV	7/16/2011	6:25 AM	N	BASE FLOW	LOW		BRIDGE	CLEAR	CALM	CLEAR	RUN			NON-WADEABLE/MID-DEPTH
	PRESUMPSCOT RIV	7/16/2011	6:25 AM		FLOW	LOW		BRIDGE	CLEAR	CALIVI	CLEAR	KUN		STAINED	NON-WADEABLE/MID-DEPTH
	PRESUMPSCOT RIV	7/16/2011	6:25 AM					BRIDGE							NON-WADEABLE/MID-DEPTH
P030	PRESUMPSCOT RIV	7/16/2011	6:25 AM					BRIDGE							NON-WADEABLE/MID-DEPTH
	PRESUMPSCOT RIV	7/16/2011	6:25 AM					BRIDGE		1					NON-WADEABLE/MID-DEPTH
. 555		77 1372011	0.20 AW		1	1	1		1	1	HEAVY RAIN,	1	1		CONCENTRATION IS ACTUALLY >2419.6. VALUE FOR
					STRM	MEDIU					MOSTLY CLOUDY,			MEDIUM	USE IN GEOMETRIC MEAN. SLIGHT ODOR, SLIGHT
P030	PRESUMPSCOT RIV	7/30/2011	6:45 AM	N	FLOW	M		BRIDGE	CLOUDY	CALM	SHOWERS	RUN		STAINED	ODOR
P030	PRESUMPSCOT RIV	7/30/2011	6:45 AM	N				BRIDGE							SLIGHT ODOR
P030	PRESUMPSCOT RIV	7/30/2011	6:45 AM	N				BRIDGE							SLIGHT ODOR
P030	PRESUMPSCOT RIV	7/30/2011	6:45 AM	N				BRIDGE							SLIGHT ODOR
P030	PRESUMPSCOT RIV	7/30/2011	6:45 AM	NI	ľ			BRIDGE		1					SLIGHT ODOR

				** Sample		Air							Water	
Organization				Type		Temp	Sample	Current	Air Cond			Tide	Appear-	
Site Code	VRMP Site ID	Date	Time	Qualifier Flo		(° C)	Location	Weather	ition	Past 24HR Weather	Habitat	Stage	ance	Comments
Dooo	DDEOLIMBOOOT DIV	0/40/0044	7:45 414	BAS		04.4	DDIDOE	OL EAD	04144	OLEAD	DUN		MEDIUM	
P030 P030	PRESUMPSCOT RIV	8/13/2011 8/13/2011	7:45 AM 7:45 AM		V LOW	21.1	BRIDGE BRIDGE	CLEAR	CALM	CLEAR	RUN		STAINED	
P030	PRESUMPSCOT RIV	8/13/2011	7:45 AM		_	<u> </u>	BRIDGE							
P030	PRESUMPSCOT RIV	8/13/2011	7:45 AM				BRIDGE							
1 030	T INESONII SCOT INIV	0/13/2011	7.43 AIVI	BAS			DINIDGE						MEDIUM	
P030	PRESUMPSCOT RIV	8/27/2011	7:30 AM		V LOW	21.1	BRIDGE	CLEAR	CALM	CLEAR	RUN		STAINED	
P030	PRESUMPSCOT RIV	8/27/2011	7:30 AM				BRIDGE			-				
P030	PRESUMPSCOT RIV	8/27/2011	7:30 AM	N			BRIDGE							
P030	PRESUMPSCOT RIV	8/27/2011	7:30 AM	N			BRIDGE							
P110 - PRESUMPSC OT RIVER	PRESUMPSCOT RIV	5/21/2011	6:15 AM	N FLO		10.6	WADING	FOGGY	CALM	FOGGY, LIGHT RAIN	RUN		CLEAR	SAMPLED BY WADING - IN SUBSEQUENT EVENTS SAMPLED FROM BRIDGE TO REACH MID-CHANNEL. WADEABLE/1.5 FT BELOW SURFACE SAMPLED BY WADING - IN SUBSEQUENT EVENTS SAMPLED FROM BRIDGE TO REACH MID-CHANNEL.
D440	DDECLIMBOOOT DIV	0/4/0044	0.40.484	BAS			DDIDOE	CLEAD		CL OLIDY	DUN		CLEAD	NON WAREARI E/2 ET RELOW CUREACE
P110	PRESUMPSCOT RIV	6/4/2011	6:40 AM	N FLO	V HIGH		BRIDGE	CLEAR	BREEZE	CLOUDY CLEAR, LIGHT RAIN, PARTLY	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
P110	PRESUMPSCOT RIV	6/18/2011	7:04 AM	N FLO	MEDIU M M	16.1	BRIDGE	PARTLY CLOUDY	CALM	CLOUDY, SHOWERS	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
P110	PRESUMPSCOT RIV	7/2/2011	6:30 AM	N FLO		16.7	BRIDGE	CLEAR	CALM	HEAVY RAIN, PARTLY CLOUDY	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
P110	PRESUMPSCOT RIV	7/16/2011	6:25 AM		MEDIU M M	16.1	BRIDGE	CLEAR	CALM	CLEAR CLOUDY, HEAVY	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE 1.5" RAIN FELL LAST NIGHT. NON-WADEABLE/3 FT
P110	PRESUMPSCOT RIV	7/30/2011	6:15 AM			21.1	BRIDGE	CLOUDY	CALM	RAIN	RUN		CLEAR	BELOW SURFACE
			*****	BAS	_	1								
P110	PRESUMPSCOT RIV	8/13/2011	6:10 AM			14.4	BRIDGE	CLEAR	CALM	CLEAR	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
				BAS	MEDIU									
P110	PRESUMPSCOT RIV	8/27/2011	6:15 AM	N FLO	v M	18.3	BRIDGE	CLOUDY	CALM	CLEAR	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
P160 - PRESUMPSC OT RIVER	PRESUMPSCOT RIV	5/21/2011	6:35 AM	N FLO	M MEDIU	10.0	BOAT	CLOUDY		SHOWERS	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
D400	DDEOLIMDOOOT DIV	0/4/0044	0.45.444	BAS			DOAT	OL EAD	04144	OLEAD	DUN		01 5 4 5	NON WAREARI E/O ET RELOW OUREAGE
P160	PRESUMPSCOT RIV	6/4/2011	6:15 AM		V HIGH	1	BOAT	CLEAR	CALM	CLEAR	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
P160	PRESUMPSCOT RIV	6/4/2011	6:15 AM	BAS	MEDIU		BOAT	CLOUDY,		CLOUDY,				NON-WADEABLE/3 FT BELOW SURFACE NON-WADEABLE/3 FT BELOW SURFACE DO
P160	PRESUMPSCOT RIV	6/18/2011	6:10 AM				BOAT	FOGGY	CALM	SHOWERS	RUN		CLEAR	CALIBRATION READING APPEARED HIGH (103.3%)
1 100	T INESONII SCOT INIV	0/10/2011	0. 10 AW		MEDIU		BOAT	PARTLY	CALIVI	SHOWERS	IXOIN		CLLAIN	CALIBRATION READING ALL EARLESTIIGH (103.376)
P160	PRESUMPSCOT RIV	7/2/2011	5:50 AM		V M	17.2	BOAT	CLOUDY	CALM	CLEAR, SHOWERS	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
					MEDIU					,				
P160	PRESUMPSCOT RIV	7/2/2011	6:09 AM	N FLO			BOAT	CLEAR		CLEAR	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
P160	PRESUMPSCOT RIV	8/13/2011	6:00 AM				BOAT	CLEAR	CALM	CLEAR	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
		-		BAS			_	PARTLY		FOGGY, PARTLY				
P160	PRESUMPSCOT RIV	8/27/2011	6:05 AM	_	v HIGH		BOAT		CALM	CLOUDY	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
P170 -														
PRESUMPSC				STR	MEDIU									
OT RIVER	PRESUMPSCOT RIV	5/21/2011	6:20 AM			10.0	BOAT	CLOUDY		SHOWERS	RIFFLE		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
P170	PRESUMPSCOT RIV	6/4/2011	6:00 AM	BAS N FLO			BOAT	CLEAR	CALM	CLEAR	RIFFLE		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
				BAS	MEDIU			CLOUDY,		CLOUDY,				NON-WADEABLE/3 FT BELOW SURFACE DO
P170	PRESUMPSCOT RIV	6/18/2011	5:48 AM		W M	<u> </u>	BOAT	FOGGY	CALM	SHOWERS	RIFFLE	<u></u>	CLEAR	CALIBRATION READING APPEARED HIGH (103.3%)
P170	PRESUMPSCOT RIV	6/18/2011	5:48 AM	D			BOAT							NON-WADEABLE/3 FT BELOW SURFACE DO CALIBRATION READING APPEARED HIGH (103.3%)
		U 10/2011	J. TO AIVI			1	1-0	1	1	1	1			1

Organization				** Sample Type			Air Temp	Sample	Current	Air Cond			Tide	Water Appear-	
Site Code	VRMP Site ID	Date	Time	Qualifier	Flow	Stage MEDIU	(° C)	Location	Weather	ition	Past 24HR Weather	Habitat	Stage	ance	Comments
P170	PRESUMPSCOT RIV	7/2/2011	5:35 AM	N	FLOW	M	17.2	BOAT	PARTLY CLOUDY	CALM	CLEAR, SHOWERS	RIFFLE		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
P170	PRESUMPSCOT RIV	7/16/2011	5:52 AM	N	FLOW	MEDIU M		BOAT	CLEAR		CLEAR	RIFFLE		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
P170	PRESUMPSCOT RIV	8/13/2011	5:43 AM	N	BASE FLOW	LOW		BOAT	CLEAR	CALM	CLEAR	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
P170	PRESUMPSCOT RIV	8/27/2011	5:47 AM	N	BASE FLOW	HIGH		BOAT	PARTLY CLOUDY	CALM	FOGGY, PARTLY CLOUDY	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
PI010 - EAST BRANCH	EAST BRANCH PISC	5/21/2011	7:20 AM	N	STRM FLOW	HIGH	12.8	WADING	MOSTLY CLOUDY	CALM	RAIN, MOSTLY CLOUDY	RUN		TURBID	WADEABLE/MID-DEPTH DO ACIDIFIED IN LAB AT 9:20 AM. BACTERIA COLLECTED IN ZIPLOC BAG.
PI010	EAST BRANCH PISC	6/4/2011	7:08 AM	N	BASE FLOW	MEDIU M	10.6	WADING	CLEAR	CALM	CLEAR, PARTLY CLOUDY	RUN		TURBID	WADEABLE/1.5 FT BELOW SURFACE
DI010	EAST BRANCH DISC	6/19/2011	7:25 AM	N	BASE FLOW	MEDIU	17.0	WADING	CLOUDY	CALM	LIGHT RAIN,	RUN		TURBID	WADEADLE/MID DEDTH
PI010	EAST BRANCH PISC	6/18/2011	7:25 AM	IN		MEDIU	17.8	WADING	CLOUDY	CALM	PARTLY CLOUDY	KUN		TURBID	WADEABLE/MID-DEPTH
PI010	EAST BRANCH PISC	7/2/2011	6:45 AM	N	FLOW BASE	М	17.8	WADING	CLEAR	CALM	LIGHT RAIN	RUN		TURBID	WADEABLE/MID-DEPTH
PI010	EAST BRANCH PISC	7/16/2011	7:00 AM		FLOW	LOW	18.3	WADING	CLEAR	CALM	CLEAR	RIFFLE		MILKY	NON-WADEABLE/MID-DEPTH
PI010	EAST BRANCH PISC	7/16/2011	7:00 AM	ט	07014			WADING	DARTIN						NON-WADEABLE/MID-DEPTH CONCENTRATION IS ACTUALLY >2419.6. VALUE FOR
PI010	EAST BRANCH PISC	7/30/2011	6:15 AM	N	STRM FLOW	HIGH	21.1	WADING	PARTLY CLOUDY	CALM	CLOUDY, HEAVY RAIN	RIFFLE		TURBID	USE IN GEOMETRIC MEAN. NON-WADEABLE/MID- DEPTH, NON-WADEABLE/MID-DEPTH
PI010	EAST BRANCH PISC	8/13/2011	7:20 AM	N	BASE FLOW		16.1	WADING	CLEAR	CALM	CLEAR	RUN		TURBID	WADEABLE/MID-DEPTH
PI020 - WEST	DICCATA OLIA DIVEE	E/04/0044	7.25 414	N.	STRM	HIGH	40.0	MADING	FOGGY, MOSTLY	CALM	FOGGY, LIGHT RAIN, MOSTLY	DUN		TUDDID	WADEABLE/1.5 FT BELOW SURFACE DO ACIDIFIED IN LAB AT 9:20 AM. BACTERIA COLLECTED IN ZIPLOC
BRANCH	PISCATAQUA RIVER	5/21/2011	7:35 AM	IN	FLOW BASE	MEDIU	12.8	WADING	CLOUDY	CALM	CLOUDY CLEAR, PARTLY	RUN		TURBID	BAG.
PI020	PISCATAQUA RIVER	6/4/2011	7:20 AM	N	FLOW	M MEDIU	10.6	WADING	CLEAR	CALM	CLOUDY LIGHT RAIN,	RUN		CLEAR	WADEABLE/1.5 FT BELOW SURFACE
PI020	PISCATAQUA RIVER	6/18/2011	7:45 AM	N	FLOW	M	17.8	WADING	CLOUDY	CALM	PARTLY CLOUDY	RUN		CLEAR	WADEABLE/MID-DEPTH
PI020	PISCATAQUA RIVER	7/2/2011	7:00 AM	N	FLOW	MEDIU M	17.8	WADING	CLEAR	CALM	LIGHT RAIN	RUN		CLEAR	WADEABLE/MID-DEPTH
PI020	PISCATAQUA RIVER	7/16/2011	7:15 AM	N	BASE FLOW	LOW	18.3	WADING	CLEAR	CALM	CLEAR	RUN		CLEAR	NON-WADEABLE/MID-DEPTH
PI020	PISCATAQUA RIVER	7/30/2011	6:25 AM	N	STRM FLOW	HIGH	21.1	WADING	PARTLY CLOUDY	CALM	CLOUDY, HEAVY RAIN	RUN		TURBID	NON-WADEABLE/MID-DEPTH
PI020	PISCATAQUA RIVER	8/13/2011	7:40 AM	N	BASE FLOW		16.1	WADING	CLEAR	CALM	CLEAR	RUN			SITE PI020 WAS HAVING MAJOR CONSTRUCTION WORK BEING DONE - BANKS WERE STRIPPED AND RELEVELLED, AND ONE OF THE TWO LARGE CULVERTS WAS BLOCKED AT BOTH ENDS. THIS MAY HAVE HAD AN EFFECT ON THE WATER (JUST DOWNSTREAM OF SITE) WADEABLE/MID-DEPTH
PL010 -	I IOO/II/QO/III/EI	0/10/2011	7.10744				10.1	WADING	OLL/ II C	O/ ILIVI		TO IT		TORBID	BOWNER WILLIAM OF OTHER WILDERS MID BET TH
PLEASANT RIVER	PLEASANT RIVER -	5/21/2011	7:05 AM	N	FLOW			WADING	FOGGY	CALM	FOGGY, LIGHT RAIN	RUN		TURBID	WADEABLE/1.5 FT BELOW SURFACE
PL010	PLEASANT RIVER -	6/4/2011	7:00 AM	N	BASE FLOW	MEDIU M		BRIDGE	CLEAR	BREEZE	CLOUDY	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
					BASE	MEDIU			PARTLY		CLEAR, LIGHT RAIN, PARTLY CLOUDY,				
PL010	PLEASANT RIVER -	6/18/2011	7:55 AM	N	FLOW	M	16.1	BRIDGE	CLOUDY	CALM	SHOWERS	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
PL010	PLEASANT RIVER -	7/2/2011	6:10 AM	N	FLOW	MEDIU M	16.7	BRIDGE	CLEAR	CALM	HEAVY RAIN, PARTLY CLOUDY	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
PL010	PLEASANT RIVER -	7/16/2011	6:10 AM	N	BASE FLOW	MEDIU M	16.1	BRIDGE	CLEAR	CALM	CLEAR	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE

				** Sample			Air							Water	
Organization				Type			Temp	Sample	Current	Air Cond			Tide	Appear-	
Site Code	VRMP Site ID	Date	Time		Flow	Stage	(° C)	Location	Weather	ition	Past 24HR Weather	Habitat	Stage	ance	Comments
DI 040	DI EACANT DIVED	7/20/2044	C.O. A.M.		STRM FLOW	111011	24.4	DDIDOE	CI OLIDV	CALM	CLOUDY, HEAVY RAIN	DUN		CLEAD	1.5" RAIN FELL LAST NIGHT. NON-WADEABLE/3 FT
PL010	PLEASANT RIVER -	7/30/2011	6:05 AM		BASE	HIGH MEDIU	21.1	BRIDGE	CLOUDY	CALIVI	RAIN	RUN		CLEAR	BELOW SURFACE
PL010	PLEASANT RIVER -	8/13/2011	6:00 AM		FLOW	M	14 4	BRIDGE	CLEAR	CALM	CLEAR	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
1 - 2 . 2					BASE										
PL010	PLEASANT RIVER -	8/27/2011	6:01 AM	N I	FLOW	LOW	18.3	BRIDGE	CLOUDY	CALM	CLEAR	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
PL040 -									FOGGY,		CLOUDY, FOGGY,				WATER TEMPERATURE MEASURED WITH INFARED
PLEASANT	DI 54044IT DII (50	E (0.4.00.4.4	= 40 AAA		BASE		40.0	MADINO	PARTLY	04144	LIGHT RAIN,	DUN			
RIVER	PLEASANT RIVER -	5/21/2011	5:46 AM			HIGH MEDIU	12.2	WADING	CLOUDY	CALM	SHOWERS	RUN		MEDIUM	DO ACIDIFIED IN THE LAB AT 8:45 AM.
PL040	PLEASANT RIVER -	6/4/2011	5:35 AM		FLOW		8.3	WADING	CLEAR		CLOUDY	RUN		_	WADEABLE/1.5 FT BELOW SURFACE
1															WADEABLE/MID-DEPTH NOT SURE IF SAMPLED
						MEDIU					CLOUDY, FOGGY,			MEDIUM	CENTER OF FLOW-EXTENSION POLE NOT INDICATED
PL040	PLEASANT RIVER -	6/18/2011	5:25 AM		FLOW		16.1	BANK	FOGGY		LIGHT RAIN	RUN			ON DATASHEET
						MEDIU								DARKLY	
PL040	PLEASANT RIVER -	7/16/2011	5:33 AM	N I	FLOW	M	14.4	WADING	CLEAR	CALM	CLOUDY	RUN		STAINED	WADEABLE/MID-DEPTH
															USE IN GEOMETRIC MEAN. WADEABLE/MID-DEPTH NOT SURE IF SAMPLED CENTER OF FLOW-EXTENSION
															POLE NOT INDICATED ON DATASHEET.,
									MOSTLY		LIGHT RAIN,				WADEABLE/MID-DEPTH NOT SURE IF SAMPLED
					BASE				CLOUDY,		MOSTLY CLOUDY,			DARKLY	CENTER OF FLOW-EXTENSION POLE NOT INDICATED
PL040	PLEASANT RIVER -	7/30/2011	5:45 AM	N I	FLOW	HIGH	20.0	BANK	SHOWER	CALM	SHOWERS	RUN		STAINED	ON DATASHEET.
				l .					CLEAR,		0.545 545517				
PL040	PLEASANT RIVER -	8/13/2011	6:12 AM		-	MEDIU M	15.0	CULVERT	PARTLY CLOUDY		CLEAR, PARTLY CLOUDY	RUN		TURBID	WADEABLE/MID-DEPTH
1 1040	I LLASANT KIVLK -	0/13/2011	0. 12 AIVI	IN I	LOW	IVI	13.0	COLVLINI	FOGGY,		CLOODT	IXOIN		TORDID	WADLABLE/IVIID-DLI 111
					BASE	MEDIU			PARTLY						WADEABLE/MID-DEPTH NO DO SAMPLE TAKEN, NOT
PL040	PLEASANT RIVER -	8/27/2011	6:32 AM	N I	FLOW	M	14.4	BANK	CLOUDY		PARTLY CLOUDY	RUN		FOAMY	SURE WHY
Presumpscot R	River - Presumpscot F	kiver watch (Non-appro	ved Sites)					l		1	1			
L010 - LITTLE					BASE	MEDIU					FOGGY, LIGHT	1			NON-WADEABLE/3 FT BELOW SURFACE DO ACIDIFIED
RIVER	LITTLE RIVER - RLT	5/21/2011	7:05 AM		FLOW			BANK	FOGGY		RAIN	RUN		CLEAR	IN LAB AT 9:20 AM.
						MEDIU								MEDIUM	
L010	LITTLE RIVER - RLT	6/4/2011	7:00 AM		FLOW	M		CULVERT	CLEAR	BREEZE	PARTLY CLOUDY	RUN			NON-WADEABLE/3 FT BELOW SURFACE
L010	LITTLE RIVER - RLTI	6/18/2011	7:15 AM		BASE FLOW	MEDIU		CULVERT	CLOUDY		CLOUDY	RUN		MEDIUM	WADEABLE/1.5 FT BELOW SURFACE
L010	LITTLE KIVEK - KET	0/10/2011	7.13 AW			MEDIU		OOLVLIKI	OLOODI		OLOODT	KON			NON-WADEABLE/3 FT BELOW SURFACE DO CHEMICAL
L010	LITTLE RIVER - RLT	7/2/2011	7:30 AM		FLOW	M		BANK			CLEAR	RIFFLE			
					BASE									MEDIUM	
L010	LITTLE RIVER - RLT	7/16/2011	7:15 AM	N I	FLOW	LOW		BANK	CLEAR		CLEAR	RIFFLE		STAINED	NON-WADEABLE/3 FT BELOW SURFACE
															CONCENTRATION IS ACTUALLY >2419.6. VALUE FOR
															USE IN GEOMETRIC MEAN. NON-WADEABLE/3 FT BELOW SURFACE DO CHEMICAL KIT - DID NOT DO
															QA/QC CHECK., NON-WADEABLE/3 FT BELOW
					BASE				PARTLY					MEDIUM	SURFACE DO CHEMICAL KIT - DID NOT DO QA/QC
L010	LITTLE RIVER - RLT	7/30/2011	7:30 AM	N I	FLOW	HIGH	21.1	CULVERT	CLOUDY	CALM	LIGHT RAIN	RUN		STAINED	CHECK.
					BASE									MEDIUM	
L010	LITTLE RIVER - RLT	8/27/2011	7:40 AM	N I	FLOW	LOW		BANK	F000V		CLEAR	RIFFLE		STAINED	NON-WADEABLE/3 FT BELOW SURFACE
P135 - PRESUMPSC				,	BASE				FOGGY, PARTLY		CLOUDY, FOGGY, LIGHT RAIN.				NO DO COLLECTED. WATER TEMPERATURE MEASURED WITH INFARED THERMOMETER.
OT RIVER	PRESUMPSCOT RIV	5/21/2011	6:43 AM		-	HIGH	12 2	WADING	CLOUDY	CALM	SHOWERS	RUN		CLEAR	WADEABLE/1.5 FT BELOW SURFACE
		5/2 //2011	J. PO AWI			MEDIU	12.2		220001	JIVI					THE PERSON SOLUTION
P135	PRESUMPSCOT RIV	6/4/2011	6:28 AM		FLOW	M	8.3	BANK	CLEAR		CLOUDY	RUN		CLEAR	WADEABLE/1.5 FT BELOW SURFACE
						MEDIU					CLOUDY, FOGGY,				
P135	PRESUMPSCOT RIV	6/18/2011	6:17 AM	N I	FLOW	M	16.1	BANK	FOGGY		LIGHT RAIN	RUN		CLEAR	WADEABLE/MID-DEPTH

Organization Site Code	VRMP Site ID	Date	Time	** Sample Type Qualifier	Flow	Stage	Air Temp (° C)	Sample Location	Current Weather	Air Cond	Past 24HR Weather	Habitat	Tide Stage	Water Appear- ance	Comments
0.10 0000		24.0				MEDIU	(-)		110000				Jugo	uo	- Commonto
P135	PRESUMPSCOT RIV	7/16/2011	6:28 AM	N	FLOW	M	14.4	WADING	CLEAR	CALM	CLOUDY	RUN		CLEAR	NON-WADEABLE/MID-DEPTH
									LIGHT						
									RAIN,		LIGHT RAIN,				
					BASE				MOSTLY		MOSTLY CLOUDY,				
P135	PRESUMPSCOT RIV	7/16/2011	6:35 AM	N	FLOW	HIGH	20.0	BANK	CLOUDY CLEAR.	CALM	SHOWERS	RUN		MILKY	WADEABLE/MID-DEPTH
					DACE	MEDIU			PARTLY		CLEAR, PARTLY				
P135	PRESUMPSCOT RIV	8/13/2011	7:03 AM		FLOW	-	12.8	WADING	CLOUDY		CLOUDY	RUN		CLEAR	WADEABLE/MID-DEPTH
1 133	T INESOWII SCOT KIV	0/13/2011	7.03 AIVI		BASE	IVI	12.0	WADING	CLOOD		CLOOD	KON		MEDIUM	WADLABLE/MID-DLI III
P135	PRESUMPSCOT RIV	8/27/2011	7:17 AM		FLOW		14 4	WADING			CLOUDY	RUN		_	WADEABLE/MID-DEPTH
P150 -		5/21/2011			. 2011			***************************************			02002.			017111125	Wilder in the second of the se
PRESUMPSC					STRM	MEDIU									
OT RIVER	PRESUMPSCOT RIV	5/21/2011	7:10 AM		FLOW		10.0	BANK	CLOUDY		SHOWERS	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
					BASE										
P150	PRESUMPSCOT RIV	6/4/2011	7:00 AM	N	FLOW	HIGH		BANK	CLEAR	CALM	CLEAR	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
					BASE	MEDIU			CLOUDY,		CLOUDY,				NON-WADEABLE/3 FT BELOW SURFACE DO
P150	PRESUMPSCOT RIV	6/18/2011	6:45 AM	N	FLOW	M		WADING	FOGGY	CALM	SHOWERS	RUN		CLEAR	CALIBRATION READING APPEARED HIGH (103.3%)
						MEDIU			PARTLY						
P150	PRESUMPSCOT RIV	7/2/2011	6:34 AM		FLOW	M			CLOUDY	CALM	CLEAR, SHOWERS	RUN		_	NON-WADEABLE/3 FT BELOW SURFACE
P150	PRESUMPSCOT RIV	7/2/2011	6:34 AM		DAGE	MEDILI		WADING							NON-WADEABLE/3 FT BELOW SURFACE
P150	PRESUMPSCOT RIV	7/16/2011	7:08 AM		FLOW	MEDIU M		BANK	CLEAR		CLEAR	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
F 100	FRESUMPSCOT KIV	1/10/2011	1.00 AIVI			MEDIU		DAINK	CLEAR		CLEAR	KON		CLEAR	INON-WADEABLE/3 FT BELOW SURFACE
P150	PRESUMPSCOT RIV	8/13/2011	6:50 AM		FLOW			WADING	CLEAR	CALM	CLEAR	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
1 100	T TEOOMI OOOT TO	3/10/2011	0.00 /401		BASE				PARTLY	O/ALIVI	FOGGY, PARTLY			OLLAIN	TOTAL MELANTI BELOW OUTLAND
P150	PRESUMPSCOT RIV	8/27/2011	7:01 AM		FLOW	HIGH		BANK		CALM	CLOUDY	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE